DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16386	52570	CBO102314	28448	64632	MTU201987	40509	76693	UUR100056
16387	52571	CBO102316	28449	64633	MTU201996	40510	76694	UUR100058
16388	52572	CBO102321	28450	64634	MTU202018	40511	76695	UUR100060
16389	52573	CBO102327	28451	64635	MTU202019	40512	76696	UUR100064
16390	52574	CBO102328	28452	64636	MTU202023	40513	76697	UUR100067
16391	52575	CBO102353	28453	64637	MTU202024	40514	76698	UUR100068
16392	52576	CBO102358	28454	64638	MTU202025	40515	76699	UUR100071
16393	52577	CBO102369	28455	64639	MTU202038	40516	76700	UUR100074
16394	52578	CBO102372	28456	64640	MTU202073	40517	76701	UUR100075
16395	52579	CBO102378	28457	64641	MTU202077	40518	76702	UUR100077
16396	52580	CBO102381	28458	64642	MTU202080	40519	76703	UUR100079
16397	52581	CBO102384	28459	64643	MTU202088	40520	76704	UUR100080
16398	52582	CBO102395	28460	64644	MTU202090	40521	76705	UUR100082
16399	52583	CBO102397	28461	64645	MTU202111	40522	76706	UUR100083
16400	52584	CBO102403	28462	64646	MTU202113	40523	76707	UUR100085
16401	52585	CBO102406	28463	64647	MTU202114	40524	76708	UUR100086
16402	52586	CBO102407	28464	64648	MTU202116	40525	76709	UUR100087
16403	52587	CBO102412	28465	64649	MTU202117	40526	76710	UUR100090
16404	52588	CBO102459	28466	64650	MTU202118	40527	76711	UUR100092
16405	52589	CBO102464	28467	64651	MTU202119	40528	76712	UUR100094
16406	52590	CBO102481	28468	64652	MTU202120	40529	76713	UUR100097
16407	52591	CBO102486	28469	64653	MTU202121	40530	76714	UUR100101
16408	52592	CBO102489	28470	64654	MTU202122	40531	76715	UUR100104
16409	52593	CBO102492	28471	64655	MTU202123	40532	76716	UUR100105
16410	52594	CBO102493	28472	64656	MTU202124	40533	76717	UUR100113
16411	52595	CBO102497	28473	64657	MTU202125	40534	76718	UUR100115
16412	52596	CBO102499	28474	64658	MTU202128	40535	76719	UUR100116
16413	52597	CBO102507	28475	64659	MTU202129	40536	76720	UUR100118
16414	52598	CBO102512	28476	64660	MTU202131	40537	76721	UUR100120
16415	52599	CBO102514	28477	64661	MTU202132	40538	76722	UUR100122
16416	52600	CBO102516	28478	64662	MTU202133	40539	76723	UUR100124
16417	52601	CBO102527	28479	64663	MTU202140	40540	76724	UUR100131
16418	52602	CBO102562	28480	64664	MTU202154	40541	76725	UUR100133
16419	52603	CBO102568	28481	64665	MTU202157	40542	76726	UUR100134
16420	52604	CBO102569	28482	64666	MTU202158	40543	76727	UUR100136
16421	52605	CBO102572	28483	64667	MTU202161	40544	76728	UUR100139
16422	52606	CBO102574	28484	64668	MTU202164	40545	76729	UUR100140
16423	52607	CBO102575	28485	64669	MTU202166	40546	76730	UUR100141
16424	52608	CBO102577	28486	64670	MTU202167	40547	76731	UUR100144
16425	52609	CBO102584	28487	64671	MTU202176	40548	76732	UUR100158
16426	52610	CBO102585	28488	64672	MTU202177	40549	76733	UUR100174
16427	52611	CBO102597	28489	64673	MTU202179	40550	76734	UUR100175
16428	52612	CBO102608	28490	64674	MTU202181	40551	76735	UUR100177
16429	52613	CBO102612	28491	64675	MTU202182	40552	76736	UUR100180
16430	52614	CBO102613	28492	64676	MTU202184	40553	76737	UUR100184
16431	52615	CBO102626	28493	64677	MTU202185	40554	76738	UUR100185
16432	52616	CBO102636	28494	64678	MTU202188	40555	76739	UUR100186
16433	52617	CBO102641	28495	64679	MTU202191	40556	76740	UUR100187
16434	52618	CBO102643	28496	64680	MTU202199	40557	76741	UUR100188
16435	52619	CBO102646	28497	64681	MTU202200	40558	76742	UUR100192
16436	52620	CBO102655	28498	64682	MTU202210	40559	76743	UUR100193
16437	52621	CBO102656	28499	64683	MTU202211	40560	76744	UUR100194
16438	52622	CBO102661	28500	64684	MTU202218	40561	76745	UUR100195
16439	52623	CBO102667	28501	64685	MTU202245	40562	76746	UUR100196
16440	52624	CBO102672	28502	64686	MTU202247	40563	76747	UUR100197

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16441	52625	CBO102674	28503	64687	MTU202253	40564	76748	UUR100200
16442	52626	CBO102675	28504	64688	MTU202264	40565	76749	UUR100202
16443	52627	CBO102678	28505	64689	MTU202265	40566	76750	UUR100203
16444	52628	CBO102681	28506	64690	MTU202291	40567	76751	UUR100204
16445	52629	CBO102689	28507	64691	MTU202299	40568	76752	UUR100210
16446	52630	CBO102699	28508	64692	MTU202300	40569	76753	UUR100211
16447	52631	CBO102700	28509	64693	MTU202301	40570	76754	UUR100212
16448	52632	CBO102707	28510	64694	MTU202309	40571	76755	UUR100213
16449	52633	CBO102717	28511	64695	MTU202311	40572	76756	UUR100217
16450	52634	CBO102722	28512	64696	MTU202320	40573	76757	UUR100223
16451	52635	CBO102725	28513	64697	MTU202321	40574	76758	UUR100224
16452	52636	CBO102727	28514	64698	MTU202325	40575	76759	UUR100229
16453	52637	CBO102730	28515	64699	MTU202328	40576	76760	UUR100230
16454	52638	CBO102736	28516	64700	MTU202330	40577	76761	UUR100231
16455	52639	CBO102746	28517	64701	MTU202336	40578	76762	UUR100232
16456	52640	CBO102754	28518	64702	MTU202344	40579	76763	UUR100233
16457	52641	CBO102757	28519	64703	MTU202348	40580	76764	UUR100234
16458	52642	CBO102771	28520	64704	MTU202358	40581	76765	UUR100235
16459	52643	CBO102775	28521	64705	MTU202376	40582	76766	UUR100236
16460	52644	CBO102777	28522	64706	MTU202378	40583	76767	UUR100237
16461	52645	CBO102786	28523	64707	MTU202391	40584	76768	UUR100238
16462	52646	CBO102797	28524	64708	MTU202392	40585	76769	UUR100239
16463	52647	CBO102806	28525	64709	MTU202404	40586	76770	UUR100240
16464	52648	CBO102816	28526	64710	MTU202405	40587	76771	UUR100241
16465	52649	CBO102824	28527	64711	MTU202406	40588	76772	UUR100242
16466	52650	CBO102827	28528	64712	MTU202407	40589	76773	UUR100243
16467	52651	CBO102837	28529	64713	MTU202408	40590	76774	UUR100244
16468	52652	CBO102854	28530	64714	MTU202412	40591	76775	UUR100245
16469	52653	CBO102863	28531	64715	MTU202418	40592	76776	UUR100246
16470	52654	CBO102871	28532	64716	MTU202420	40593	76777	UUR100247
16471	52655	CBO102910	28533	64717	MTU202421	40594	76778	UUR100248
16472	52656	CBO102919	28534	64718	MTU202429	40595	76779	UUR100249
16473	52657	CBO102927	28535	64719	MTU202431	40596	76780	UUR100250
16474	52658	CBO102930	28536	64720	MTU202434	40597	76781	UUR100251
16475	52659	CBO102935	28537	64721	MTU202435	40598	76782	UUR100252
16476	52660	CBO102943	28538	64722	MTU202439	40599	76783	UUR100253
16477	52661	CBO102946	28539	64723	MTU202440	40600	76784	UUR100255
16478	52662	CBO102950	28540	64724	MTU202441	40601	76785	UUR100256
16479	52663	CBO102953	28541	64725	MTU202443	40602	76786	UUR100257
16480	52664	CBO102960	28542	64726	MTU202451	40603	76787	UUR100258
16481	52665	CBO102961	28543	64727	MTU202459	40604	76788	UUR100259
16482	52666	CBO102962	28544	64728	MTU202460	40605	76789	UUR100260
16483	52667	CBO102964	28545	64729	MTU202461	40606	76790	UUR100266
16484	52668	CBO102965	28546	64730	MTU202464	40607	76791	UUR100269
16485	52669	CBO102972	28547	64731	MTU202465	40608	76792	UUR100270
16486	52670	CBO102974	28548	64732	MTU202468	40609	76793	UUR100272
16487	52671	CBO102977	28549	64733	MTU202486	40610	76794	UUR100275
16488	52672	CBO102979	28550	64734	MTU202496	40611	76795	UUR100278
16489	52673	CBO102992	28551	64735	MTU202503	40612	76796	UUR100279
16490	52674	CBO102997	28552	64736	MTU202514	40613	76797	UUR100280
16491	52675	CBO102999	28553	64737	MTU202515	40614	76798	UUR100281
16492	52676	CBO103006	28554	64738	MTU202517	40615	76799	UUR100284
16493	52677	CBO103013	28555	64739	MTU202518	40616	76800	UUR100285
16494	52678	CBO103029	28556	64740	MTU202522	40617	76801	UUR100286
16495	52679	CBO103030	28557	64741	MTU202526	40618	76802	UUR100287

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16496	52680	CBO103032	28558	64742	MTU202530	40619	76803	UUR100288
16497	52681	CBO103036	28559	64743	MTU202534	40620	76804	UUR100302
16498	52682	CBO103038	28560	64744	MTU202535	40621	76805	UUR100303
16499	52683	CBO103040	28561	64745	MTU202543	40622	76806	UUR100308
16500	52684	CBO103041	28562	64746	MTU202546	40623	76807	UUR100310
16501	52685	CBO103047	28563	64747	MTU202567	40624	76808	UUR100311
16502	52686	CBO103048	28564	64748	MTU202569	40625	76809	UUR100312
16503	52687	CBO103052	28565	64749	MTU202577	40626	76810	UUR100320
16504	52688	CBO103058	28566	64750	MTU202578	40627	76811	UUR100322
16505	52689	CBO103064	28567	64751	MTU202597	40628	76812	UUR100329
16506	52690	CBO103068	28568	64752	MTU202605	40629	76813	UUR100332
16507	52691	CBO103078	28569	64753	MTU202612	40630	76814	UUR100341
16508	52692	CBO103098	28570	64754	MTU202632	40631	76815	UUR100344
16509	52693	CBO103104	28571	64755	MTU202655	40632	76816	UUR100350
16510	52694	CBO103110	28572	64756	MTU202665	40633	76817	UUR100351
16511	52695	CBO103112	28573	64757	MTU202666	40634	76818	UUR100356
16512	52696	CBO103120	28574	64758	MTU202676	40635	76819	UUR100357
16513	52697	CBO103121	28575	64759	MTU202686	40636	76820	UUR100360
16514	52698	CBO103123	28576	64760	MTU202692	40637	76821	UUR100364
16515	52699	CBO103128	28577	64761	MTU202700	40638	76822	UUR100366
16516	52700	CBO103139	28578	64762	MTU202703	40639	76823	UUR100367
16517	52701	CBO103141	28579	64763	MTU202704	40640	76824	UUR100371
16518	52702	CBO103142	28580	64764	MTU202709	40641	76825	UUR100372
16519	52703	CBO103145	28581	64765	MTU202711	40642	76826	UUR100373
16520	52704	CBO103147	28582	64766	MTU202715	40643	76827	UUR100374
16521	52705	CBO103162	28583	64767	MTU202719	40644	76828	UUR100377
16522	52706	CBO103178	28584	64768	MTU202726	40645	76829	UUR100379
16523	52707	CBO103182	28585	64769	MTU202727	40646	76830	UUR100385
16524	52708	CBO103185	28586	64770	MTU202735	40647	76831	UUR100386
16525	52709	CBO103187	28587	64771	MTU202743	40648	76832	UUR100388
16526	52710	CBO103199	28588	64772	MTU202744	40649	76833	UUR100389
16527	52711	CBO103205	28589	64773	MTU202745	40650	76834	UUR100392
16528	52712	CBO103215	28590	64774	MTU202747	40651	76835	UUR100394
16529	52713	CBO103219	28591	64775	MTU202748	40652	76836	UUR100396
16530	52714	CBO103220	28592	64776	MTU202753	40653	76837	UUR100397
16531	52715	CBO103224	28593	64777	MTU202755	40654	76838	UUR100400
16532	52716	CBO103233	28594	64778	MTU202763	40655	76839	UUR100405
16533	52717	CBO103235	28595	64779	MTU202776	40656	76840	UUR100408
16534	52718	CBO103236	28596	64780	MTU202795	40657	76841	UUR100414
16535	52719	CBO103246	28597	64781	MTU202801	40658	76842	UUR100415
16536	52720	CBO103254	28598	64782	MTU202803	40659	76843	UUR100416
16537	52721	CBO103256	28599	64783	MTU202807	40660	76844	UUR100417
16538	52722	CBO103263	28600	64784	MTU202809	40661	76845	UUR100418
16539	52723	CBO103264	28601	64785	MTU202814	40662	76846	UUR100419
16540	52724	CBO103265	28602	64786	MTU202815	40663	76847	UUR100434
16541	52725	CBO103269	28603	64787	MTU202817	40664	76848	UUR100435
16542	52726	CBO103272	28604	64788	MTU202830	40665	76849	UUR100437
16543	52727	CBO103276	28605	64789	MTU202843	40666	76850	UUR100439
16544	52728	CBO103281	28606	64790	MTU202844	40667	76851	UUR100440
16545	52729	CBO103283	28607	64791	MTU202845	40668	76852	UUR100451
16546	52730	CBO103295	28608	64792	MTU202851	40669	76853	UUR100457
16547	52731	CBO103307	28609	64793	MTU202852	40670	76854	UUR100458
16548	52732	CBO103313	28610	64794	MTU202862	40671	76855	UUR100462
16549	52733	CBO103315	28611	64795	MTU202864	40672	76856	UUR100463
16550	52734	CBO103321	28612	64796	MTU202865	40673	76857	UUR100465

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16551	52735	CBO103340	28613	64797	MTU202866	40674	76858	UUR100466
16552	52736	CBO103355	28614	64798	MTU202868	40675	76859	UUR100471
16553	52737	CBO103358	28615	64799	MTU202869	40676	76860	UUR100472
16554	52738	CBO103359	28616	64800	MTU202870	40677	76861	UUR100473
16555	52739	CBO103360	28617	64801	MTU202871	40678	76862	UUR100475
16556	52740	CBO103373	28618	64802	MTU202878	40679	76863	UUR100479
16557	52741	CBO103374	28619	64803	MTU202880	40680	76864	UUR100480
16558	52742	CBO103376	28620	64804	MTU202883	40681	76865	UUR100487
16559	52743	CBO103378	28621	64805	MTU202884	40682	76866	UUR100488
16560	52744	CBO103379	28622	64806	MTU202886	40683	76867	UUR100490
16561	52745	CBO103381	28623	64807	MTU202908	40684	76868	UUR100496
16562	52746	CBO103389	28624	64808	MTU202919	40685	76869	UUR100498
16563	52747	CBO103391	28625	64809	MTU202926	40686	76870	UUR100499
16564	52748	CBO103395	28626	64810	MTU202929	40687	76871	UUR100500
16565	52749	CBO103408	28627	64811	MTU202933	40688	76872	UUR100503
16566	52750	CBO103413	28628	64812	MTU202934	40689	76873	UUR100505
16567	52751	CBO103420	28629	64813	MTU202939	40690	76874	UUR100506
16568	52752	CBO103433	28630	64814	MTU202942	40691	76875	UUR100511
16569	52753	CBO103439	28631	64815	MTU202943	40692	76876	UUR100512
16570	52754	CBO103442	28632	64816	MTU202944	40693	76877	UUR100513
16571	52755	CBO103445	28633	64817	MTU202948	40694	76878	UUR100517
16572	52756	CBO103448	28634	64818	MTU202950	40695	76879	UUR100518
16573	52757	CBO103462	28635	64819	MTU202954	40696	76880	UUR100519
16574	52758	CBO103473	28636	64820	MTU202955	40697	76881	UUR100520
16575	52759	CBO103480	28637	64821	MTU202963	40698	76882	UUR100522
16576	52760	CBO103490	28638	64822	MTU202964	40699	76883	UUR100525
16577	52761	CBO103491	28639	64823	MTU202965	40700	76884	UUR100526
16578	52762	CBO103493	28640	64824	MTU202971	40701	76885	UUR100528
16579	52763	CBO103496	28641	64825	MTU202972	40702	76886	UUR100529
16580	52764	CBO103499	28642	64826	MTU202973	40703	76887	UUR100530
16581	52765	CBO103509	28643	64827	MTU202974	40704	76888	UUR100531
16582	52766	CBO103513	28644	64828	MTU202976	40705	76889	UUR100534
16583	52767	CBO103516	28645	64829	MTU202980	40706	76890	UUR100535
16584	52768	CBO103521	28646	64830	MTU202984	40707	76891	UUR100536
16585	52769	CBO103526	28647	64831	MTU202994	40708	76892	UUR100539
16586	52770	CBO103541	28648	64832	MTU203003	40709	76893	UUR100540
16587	52771	CBO103547	28649	64833	MTU203005	40710	76894	UUR100543
16588	52772	CBO103560	28650	64834	MTU203011	40711	76895	UUR100544
16589	52773	CBO103563	28651	64835	MTU203012	40712	76896	UUR100545
16590	52774	CBO103567	28652	64836	MTU203042	40713	76897	UUR100546
16591	52775	CBO103577	28653	64837	MTU203060	40714	76898	UUR100547
16592	52776	CBO103578	28654	64838	MTU203064	40715	76899	UUR100550
16593	52777	CBO103581	28655	64839	MTU203065	40716	76900	UUR100551
16594	52778	CBO103582	28656	64840	MTU203069	40717	76901	UUR100556
16595	52779	CBO103583	28657	64841	MTU203076	40718	76902	UUR100557
16596	52780	CBO103586	28658	64842	MTU203106	40719	76903	UUR100558
16597	52781	CBO103589	28659	64843	MTU203107	40720	76904	UUR100559
16598	52782	CBO103591	28660	64844	MTU203113	40721	76905	UUR100560
16599	52783	CBO103609	28661	64845	MTU203142	40722	76906	UUR100566
16600	52784	CBO103612	28662	64846	MTU203144	40723	76907	UUR100573
16601	52785	CBO103614	28663	64847	MTU203156	40724	76908	UUR100574
16602	52786	CBO103619	28664	64848	MTU203167	40725	76909	UUR100575
16603	52787	CBO103621	28665	64849	MTU203186	40726	76910	UUR100576
16604	52788	CBO103642	28666	64850	MTU203187	40727	76911	UUR100577
16605	52789	CBO103643	28667	64851	MTU203193	40728	76912	UUR100579

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16606	52790	CBO103647	28668	64852	MTU203196	40729	76913	UUR100580
16607	52791	CBO103649	28669	64853	MTU203197	40730	76914	UUR100583
16608	52792	CBO103651	28670	64854	MTU203204	40731	76915	UUR100584
16609	52793	CBO103653	28671	64855	MTU203210	40732	76916	UUR100585
16610	52794	CBO103664	28672	64856	MTU203212	40733	76917	UUR100586
16611	52795	CBO103674	28673	64857	MTU203219	40734	76918	UUR100587
16612	52796	CBO103679	28674	64858	MTU203253	40735	76919	UUR100588
16613	52797	CBO103680	28675	64859	MTU203263	40736	76920	UUR100589
16614	52798	CBO103682	28676	64860	MTU203265	40737	76921	UUR100592
16615	52799	CBO103696	28677	64861	MTU203266	40738	76922	UUR100593
16616	52800	CBO103697	28678	64862	MTU203275	40739	76923	UUR100594
16617	52801	CBO103698	28679	64863	MTU203283	40740	76924	UUR100597
16618	52802	CBO103706	28680	64864	MTU203288	40741	76925	UUR100599
16619	52803	CBO103707	28681	64865	MTU203289	40742	76926	UUR100601
16620	52804	CBO103711	28682	64866	MTU203293	40743	76927	UUR100602
16621	52805	CBO103715	28683	64867	MTU203301	40744	76928	UUR100603
16622	52806	CBO103725	28684	64868	MTU203321	40745	76929	UUR100606
16623	52807	CBO103735	28685	64869	MTU203322	40746	76930	UUR100608
16624	52808	CBO103745	28686	64870	MTU203335	40747	76931	UUR100609
16625	52809	CBO103748	28687	64871	MTU203338	40748	76932	UUR100610
16626	52810	CBO103750	28688	64872	MTU203341	40749	76933	UUR100611
16627	52811	CBO103752	28689	64873	MTU203347	40750	76934	VCH100003
16628	52812	CBO103757	28690	64874	MTU203350	40751	76935	VCH100004
16629	52813	CBO103759	28691	64875	MTU203373	40752	76936	VCH100006
16630	52814	CBO103765	28692	64876	MTU203377	40753	76937	VCH100007
16631	52815	CBO103766	28693	64877	MTU203389	40754	76938	VCH100012
16632	52816	CBO103777	28694	64878	MTU203394	40755	76939	VCH100013
16633	52817	CBO103787	28695	64879	MTU203395	40756	76940	VCH100015
16634	52818	CBO103801	28696	64880	MTU203396	40757	76941	VCH100019
16635	52819	CBO103805	28697	64881	MTU203401	40758	76942	VCH100020
16636	52820	CBO103820	28698	64882	MTU203407	40759	76943	VCH100021
16637	52821	CBO103821	28699	64883	MTU203409	40760	76944	VCH100028
16638	52822	CBO103823	28700	64884	MTU203410	40761	76945	VCH100029
16639	52823	CBO103824	28701	64885	MTU203411	40762	76946	VCH100035
16640	52824	CBO103826	28702	64886	MTU203412	40763	76947	VCH100040
16641	52825	CBO103831	28703	64887	MTU203413	40764	76948	VCH100043
16642	52826	CBO103837	28704	64888	MTU203414	40765	76949	VCH100044
16643	52827	CBO103842	28705	64889	MTU203415	40766	76950	VCH100047
16644	52828	CBO103848	28706	64890	MTU203421	40767	76951	VCH100056
16645	52829	CBO103858	28707	64891	MTU203428	40768	76952	VCH100062
16646	52830	CBO103865	28708	64892	MTU203431	40769	76953	VCH100065
16647	52831	CBO103870	28709	64893	MTU203452	40770	76954	VCH100080
16648	52832	CBO103872	28710	64894	MTU203456	40771	76955	VCH100083
16649	52833	CBO103873	28711	64895	MTU203460	40772	76956	VCH100105
16650	52834	CBO103874	28712	64896	MTU203462	40773	76957	VCH100108
16651	52835	CBO103886	28713	64897	MTU203475	40774	76958	VCH100112
16652	52836	CBO103893	28714	64898	MTU203523	40775	76959	VCH100120
16653	52837	CBO103904	28715	64899	MTU203528	40776	76960	VCH100127
16654	52838	CBO103909	28716	64900	MTU203529	40777	76961	VCH100128
16655	52839	CBO103912	28717	64901	MTU203530	40778	76962	VCH100133
16656	52840	CBO103921	28718	64902	MTU203533	40779	76963	VCH100134
16657	52841	CBO103928	28719	64903	MTU203538	40780	76964	VCH100135
16658	52842	CBO103931	28720	64904	MTU203540	40781	76965	VCH100138
16659	52843	CBO103935	28721	64905	MTU203543	40782	76966	VCH100146
16660	52844	CBO103939	28722	64906	MTU203544	40783	76967	VCH100150

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16661	52845	CBO103949	28723	64907	MTU203546	40784	76968	VCH100156
16662	52846	CBO103951	28724	64908	MTU203554	40785	76969	VCH100160
16663	52847	CBO103952	28725	64909	MTU203556	40786	76970	VCH100162
16664	52848	CBO103956	28726	64910	MTU203558	40787	76971	VCH100165
16665	52849	CBO103958	28727	64911	MTU203566	40788	76972	VCH100168
16666	52850	CBO103963	28728	64912	MTU203571	40789	76973	VCH100169
16667	52851	CDF100003	28729	64913	MTU203573	40790	76974	VCH100184
16668	52852	CDF100007	28730	64914	MTU203575	40791	76975	VCH100185
16669	52853	CDF100009	28731	64915	MTU203589	40792	76976	VCH100188
16670	52854	CDF100014	28732	64916	MTU203594	40793	76977	VCH100192
16671	52855	CDF100018	28733	64917	MTU203605	40794	76978	VCH100194
16672	52856	CDF100026	28734	64918	MTU203609	40795	76979	VCH100198
16673	52857	CDF100033	28735	64919	MTU203610	40796	76980	VCH100199
16674	52858	CDF100035	28736	64920	MTU203611	40797	76981	VCH100200
16675	52859	CDF100043	28737	64921	MTU203613	40798	76982	VCH100201
16676	52860	CDF100046	28738	64922	MTU203618	40799	76983	VCH100205
16677	52861	CDF100047	28739	64923	MTU203634	40800	76984	VCH100207
16678	52862	CDF100051	28740	64924	MTU203642	40801	76985	VCH100209
16679	52863	CDF100053	28741	64925	MTU203654	40802	76986	VCH100215
16680	52864	CDF100058	28742	64926	MTU203655	40803	76987	VCH100216
16681	52865	CDF100059	28743	64927	MTU203658	40804	76988	VCH100217
16682	52866	CDF100062	28744	64928	MTU203659	40805	76989	VCH100219
16683	52867	CDF100063	28745	64929	MTU203661	40806	76990	VCH100222
16684	52868	CDF100066	28746	64930	MTU203662	40807	76991	VCH100235
16685	52869	CDF100068	28747	64931	MTU203667	40808	76992	VCH100245
16686	52870	CDF100070	28748	64932	MTU203674	40809	76993	VCH100256
16687	52871	CDF100071	28749	64933	MTU203703	40810	76994	VCH100257
16688	52872	CDF100072	28750	64934	MTU203726	40811	76995	VCH100260
16689	52873	CDF100075	28751	64935	MTU203754	40812	76996	VCH100261
16690	52874	CDF100076	28752	64936	MTU203758	40813	76997	VCH100266
16691	52875	CDF100087	28753	64937	MTU203761	40814	76998	VCH100270
16692	52876	CDF100088	28754	64938	MTU203772	40815	76999	VCH100277
16693	52877	CDF100095	28755	64939	MTU203778	40816	77000	VCH100291
16694	52878	CDF100096	28756	64940	MTU203779	40817	77001	VCH100292
16695	52879	CDF100099	28757	64941	MTU203787	40818	77002	VCH100294
16696	52880	CDF100102	28758	64942	MTU203803	40819	77003	VCH100303
16697	52881	CDF100104	28759	64943	MTU203804	40820	77004	VCH100307
16698	52882	CDF100113	28760	64944	MTU203821	40821	77005	VCH100313
16699	52883	CDF100120	28761	64945	MTU203824	40822	77006	VCH100316
16700	52884	CDF100125	28762	64946	MTU203852	40823	77007	VCH100318
16701	52885	CDF100127	28763	64947	MTU203855	40824	77008	VCH100319
16702	52886	CDF100128	28764	64948	MTU203860	40825	77009	VCH100320
16703	52887	CDF100130	28765	64949	MTU203863	40826	77010	VCH100321
16704	52888	CDF100131	28766	64950	MTU203864	40827	77011	VCH100322
16705	52889	CDF100132	28767	64951	MTU203866	40828	77012	VCH100323
16706	52890	CDF100133	28768	64952	MTU203868	40829	77013	VCH100324
16707	52891	CDF100134	28769	64953	MTU203869	40830	77014	VCH100339
16708	52892	CDF100139	28770	64954	MTU300292	40831	77015	VCH100340
16709	52893	CDF100154	28771	64955	MTU300544	40832	77016	VCH100344
16710	52894	CDF100159	28772	64956	MTU301399	40833	77017	VCH100353
16711	52895	CDF100169	28773	64957	MTU301470	40834	77018	VCH100354
16712	52896	CDF100177	28774	64958	MTU301482	40835	77019	VCH100355
16713	52897	CDF100179	28775	64959	MTU301610	40836	77020	VCH100356
16714	52898	CDF100180	28776	64960	MTU301614	40837	77021	VCH100357
16715	52899	CDF100184	28777	64961	MTU301852	40838	77022	VCH100361

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16716	52900	CDF100186	28778	64962	MTU302860	40839	77023	VCH100362
16717	52901	CDF100203	28779	64963	MTU303412	40840	77024	VCH100363
16718	52902	CDF100209	28780	64964	MTU303433	40841	77025	VCH100364
16719	52903	CDF100210	28781	64965	MTU400006	40842	77026	VCH100366
16720	52904	CDF100211	28782	64966	MTU400129	40843	77027	VCH100367
16721	52905	CDF100218	28783	64967	MTU400793	40844	77028	VCH100369
16722	52906	CDF100221	28784	64968	MTU400863	40845	77029	VCH100374
16723	52907	CDF100237	28785	64969	MTU401062	40846	77030	VCH100384
16724	52908	CDF100241	28786	64970	MTU402591	40847	77031	VCH100385
16725	52909	CDF100246	28787	64971	MTU402689	40848	77032	VCH100387
16726	52910	CDF100250	28788	64972	MTU403167	40849	77033	VCH100389
16727	52911	CDF100252	28789	64973	MTU403327	40850	77034	VCH100390
16728	52912	CDF100257	28790	64974	MTU403379	40851	77035	VCH100392
16729	52913	CDF100258	28791	64975	MTU403382	40852	77036	VCH100393
16730	52914	CDF100259	28792	64976	MTU403691	40853	77037	VCH100410
16731	52915	CDF100265	28793	64977	MTU403766	40854	77038	VCH100415
16732	52916	CDF100266	28794	64978	MTU404234	40855	77039	VCH100423
16733	52917	CDF100269	28795	64979	MTU405320	40856	77040	VCH100428
16734	52918	CDF100271	28796	64980	MTU405366	40857	77041	VCH100429
16735	52919	CDF100272	28797	64981	MTU405582	40858	77042	VCH100430
16736	52920	CDF100273	28798	64982	MTU405732	40859	77043	VCH100431
16737	52921	CDF100282	28799	64983	MTU405761	40860	77044	VCH100432
16738	52922	CDF100283	28800	64984	MTU405812	40861	77045	VCH100435
16739	52923	CDF100284	28801	64985	MTU405844	40862	77046	VCH100438
16740	52924	CDF100285	28802	64986	MTU406070	40863	77047	VCH100444
16741	52925	CDF100292	28803	64987	MTU406545	40864	77048	VCH100451
16742	52926	CDF100310	28804	64988	MTU406882	40865	77049	VCH100456
16743	52927	CDF100311	28805	64989	MTU407268	40866	77050	VCH100457
16744	52928	CDF100312	28806	64990	MTU408202	40867	77051	VCH100460
16745	52929	CDF100314	28807	64991	MTU408706	40868	77052	VCH100461
16746	52930	CDF100316	28808	64992	MTU409282	40869	77053	VCH100464
16747	52931	CDF100322	28809	64993	MTU409357	40870	77054	VCH100465
16748	52932	CDF100332	28810	64994	MTU410483	40871	77055	VCH100467
16749	52933	CDF100334	28811	64995	MTU411238	40872	77056	VCH100468
16750	52934	CDF100340	28812	64996	MTU411274	40873	77057	VCH100472
16751	52935	CDF100344	28813	64997	NGO100006	40874	77058	VCH100473
16752	52936	CDF100351	28814	64998	NGO100013	40875	77059	VCH100475
16753	52937	CDF100354	28815	64999	NGO100018	40876	77060	VCH100477
16754	52938	CDF100356	28816	65000	NGO100025	40877	77061	VCH100478
16755	52939	CDF100358	28817	65001	NGO100027	40878	77062	VCH100480
16756	52940	CDF100360	28818	65002	NGO100030	40879	77063	VCH100482
16757	52941	CDF100361	28819	65003	NGO100032	40880	77064	VCH100495
16758	52942	CDF100362	28820	65004	NGO100033	40881	77065	VCH100502
16759	52943	CDF100364	28821	65005	NGO100038	40882	77066	VCH100506
16760	52944	CDF100372	28822	65006	NGO100042	40883	77067	VCH100509
16761	52945	CDF100373	28823	65007	NGO100045	40884	77068	VCH100510
16762	52946	CDF100374	28824	65008	NGO100049	40885	77069	VCH100511
16763	52947	CDF100380	28825	65009	NGO100051	40886	77070	VCH100513
16764	52948	CDF100385	28826	65010	NGO100059	40887	77071	VCH100518
16765	52949	CDF100403	28827	65011	NGO100062	40888	77072	VCH100519
16766	52950	CDF100404	28828	65012	NGO100068	40889	77073	VCH100525
16767	52951	CDF100406	28829	65013	NGO100069	40890	77074	VCH100528
16768	52952	CDF100408	28830	65014	NGO100074	40891	77075	VCH100533
16769	52953	CDF100424	28831	65015	NGO100075	40892	77076	VCH100534
16770	52954	CDF100432	28832	65016	NGO100078	40893	77077	VCH100535

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16771	52955	CDF100438	28833	65017	NGO100079	40894	77078	VCH100538
16772	52956	CDF100440	28834	65018	NGO100089	40895	77079	VCH100540
16773	52957	CDF100442	28835	65019	NGO100092	40896	77080	VCH100542
16774	52958	CDF100453	28836	65020	NGO100096	40897	77081	VCH100544
16775	52959	CDF100458	28837	65021	NGO100099	40898	77082	VCH100549
16776	52960	CDF100459	28838	65022	NGO100106	40899	77083	VCH100550
16777	52961	CDF100480	28839	65023	NGO100109	40900	77084	VCH100551
16778	52962	CDF100483	28840	65024	NGO100112	40901	77085	VCH100552
16779	52963	CDF100484	28841	65025	NGO100123	40902	77086	VCH100553
16780	52964	CDF100485	28842	65026	NGO100131	40903	77087	VCH100554
16781	52965	CDF100493	28843	65027	NGO100136	40904	77088	VCH100556
16782	52966	CDF100494	28844	65028	NGO100139	40905	77089	VCH100557
16783	52967	CDF100497	28845	65029	NGO100148	40906	77090	VCH100560
16784	52968	CDF100502	28846	65030	NGO100151	40907	77091	VCH100561
16785	52969	CDF100503	28847	65031	NGO100154	40908	77092	VCH100566
16786	52970	CDF100504	28848	65032	NGO100157	40909	77093	VCH100572
16787	52971	CDF100511	28849	65033	NGO100160	40910	77094	VCH100581
16788	52972	CDF100513	28850	65034	NGO100170	40911	77095	VCH100582
16789	52973	CDF100515	28851	65035	NGO100172	40912	77096	VCH100583
16790	52974	CDF100518	28852	65036	NGO100173	40913	77097	VCH100584
16791	52975	CDF100524	28853	65037	NGO100175	40914	77098	VCH100585
16792	52976	CDF100529	28854	65038	NGO100178	40915	77099	VCH100590
16793	52977	CDF100530	28855	65039	NGO100180	40916	77100	VCH100591
16794	52978	CDF100533	28856	65040	NGO100181	40917	77101	VCH100593
16795	52979	CDF100537	28857	65041	NGO100183	40918	77102	VCH100611
16796	52980	CDF100539	28858	65042	NGO100185	40919	77103	VCH100612
16797	52981	CDF100545	28859	65043	NGO100195	40920	77104	VCH100620
16798	52982	CDF100546	28860	65044	NGO100196	40921	77105	VCH100621
16799	52983	CDF100547	28861	65045	NGO100198	40922	77106	VCH100625
16800	52984	CDF100548	28862	65046	NGO100201	40923	77107	VCH100626
16801	52985	CDF100549	28863	65047	NGO100202	40924	77108	VCH100627
16802	52986	CDF100550	28864	65048	NGO100207	40925	77109	VCH100630
16803	52987	CDF100552	28865	65049	NGO100210	40926	77110	VCH100631
16804	52988	CDF100553	28866	65050	NGO100212	40927	77111	VCH100633
16805	52989	CDF100554	28867	65051	NGO100216	40928	77112	VCH100634
16806	52990	CDF100556	28868	65052	NGO100223	40929	77113	VCH100635
16807	52991	CDF100557	28869	65053	NGO100225	40930	77114	VCH100646
16808	52992	CDF100573	28870	65054	NGO100228	40931	77115	VCH100647
16809	52993	CDF100578	28871	65055	NGO100235	40932	77116	VCH100650
16810	52994	CDF100584	28872	65056	NGO100236	40933	77117	VCH100651
16811	52995	CDF100586	28873	65057	NGO100237	40934	77118	VCH100654
16812	52996	CDF100587	28874	65058	NGO100241	40935	77119	VCH100655
16813	52997	CDF100604	28875	65059	NGO100244	40936	77120	VCH100662
16814	52998	CDF100605	28876	65060	NGO100248	40937	77121	VCH100663
16815	52999	CDF100608	28877	65061	NGO100249	40938	77122	VCH100665
16816	53000	CDF100611	28878	65062	NGO100250	40939	77123	VCH100666
16817	53001	CDF100616	28879	65063	NGO100251	40940	77124	VCH100667
16818	53002	CDF100620	28880	65064	NGO100260	40941	77125	VCH100668
16819	53003	CDF100635	28881	65065	NGO100273	40942	77126	VCH100669
16820	53004	CDF100645	28882	65066	NGO100274	40943	77127	VCH100677
16821	53005	CDF100649	28883	65067	NGO100285	40944	77128	VCH100679
16822	53006	CDF100661	28884	65068	NGO100287	40945	77129	VCH100680
16823	53007	CDF100673	28885	65069	NGO100293	40946	77130	VCH100681
16824	53008	CDF100692	28886	65070	NGO100300	40947	77131	VCH100685
16825	53009	CDF100712	28887	65071	NGO100301	40948	77132	VCH100698

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16826	53010	CDF100714	28888	65072	NGO100306	40949	77133	VCH100703
16827	53011	CDF100717	28889	65073	NGO100315	40950	77134	VCH100704
16828	53012	CDF100724	28890	65074	NGO100323	40951	77135	VCH100707
16829	53013	CDF100725	28891	65075	NGO100326	40952	77136	VCH100713
16830	53014	CDF100727	28892	65076	NGO100336	40953	77137	VCH100718
16831	53015	CDF100729	28893	65077	NGO100339	40954	77138	VCH100723
16832	53016	CDF100733	28894	65078	NGO100345	40955	77139	VCH100726
16833	53017	CDF100735	28895	65079	NGO100361	40956	77140	VCH100728
16834	53018	CDF100738	28896	65080	NGO100369	40957	77141	VCH100734
16835	53019	CDF100745	28897	65081	NGO100380	40958	77142	VCH100736
16836	53020	CDF100746	28898	65082	NGO100381	40959	77143	VCH100745
16837	53021	CDF100747	28899	65083	NGO100382	40960	77144	VCH100746
16838	53022	CDF100748	28900	65084	NGO100398	40961	77145	VCH100747
16839	53023	CDF100749	28901	65085	NGO100403	40962	77146	VCH100749
16840	53024	CDF100750	28902	65086	NGO100413	40963	77147	VCH100750
16841	53025	CDF100751	28903	65087	NGO100414	40964	77148	VCH100753
16842	53026	CDF100752	28904	65088	NGO100416	40965	77149	VCH100755
16843	53027	CDF100753	28905	65089	NGO100417	40966	77150	VCH100756
16844	53028	CDF100756	28906	65090	NGO100418	40967	77151	VCH100759
16845	53029	CDF100757	28907	65091	NGO100419	40968	77152	VCH100763
16846	53030	CDF100763	28908	65092	NGO100420	40969	77153	VCH100766
16847	53031	CDF100770	28909	65093	NGO100434	40970	77154	VCH100771
16848	53032	CDF100771	28910	65094	NGO100436	40971	77155	VCH100784
16849	53033	CDF100773	28911	65095	NGO100439	40972	77156	VCH100785
16850	53034	CDF100774	28912	65096	NGO100447	40973	77157	VCH100789
16851	53035	CDF100779	28913	65097	NGO100452	40974	77158	VCH100804
16852	53036	CDF100783	28914	65098	NGO100458	40975	77159	VCH100823
16853	53037	CDF100786	28915	65099	NGO100472	40976	77160	VCH100828
16854	53038	CDF100787	28916	65100	NGO100474	40977	77161	VCH100832
16855	53039	CDF100789	28917	65101	NGO100484	40978	77162	VCH100837
16856	53040	CDF100790	28918	65102	NGO100485	40979	77163	VCH100839
16857	53041	CDF100791	28919	65103	NGO100488	40980	77164	VCH100842
16858	53042	CDF100795	28920	65104	NGO100490	40981	77165	VCH100850
16859	53043	CDF100797	28921	65105	NGO100494	40982	77166	VCH100853
16860	53044	CDF100798	28922	65106	NGO100495	40983	77167	VCH100859
16861	53045	CDF100803	28923	65107	NGO100498	40984	77168	VCH100860
16862	53046	CDF100814	28924	65108	NGO100507	40985	77169	VCH100862
16863	53047	CDF100817	28925	65109	NGO100513	40986	77170	VCH100864
16864	53048	CDF100819	28926	65110	NGO100523	40987	77171	VCH100873
16865	53049	CDF100831	28927	65111	NGO100524	40988	77172	VCH100874
16866	53050	CDF100846	28928	65112	NGO100527	40989	77173	VCH100877
16867	53051	CDF100848	28929	65113	NGO100535	40990	77174	VCH100889
16868	53052	CDF100857	28930	65114	NGO100540	40991	77175	VCH100890
16869	53053	CDF100863	28931	65115	NGO100553	40992	77176	VCH100893
16870	53054	CDF100864	28932	65116	NGO100556	40993	77177	VCH100897
16871	53055	CDF100866	28933	65117	NGO100564	40994	77178	VCH100898
16872	53056	CDF100867	28934	65118	NGO100569	40995	77179	VCH100900
16873	53057	CDF100868	28935	65119	NGO100573	40996	77180	VCH100901
16874	53058	CDF100869	28936	65120	NGO100577	40997	77181	VCH100907
16875	53059	CDF100871	28937	65121	NGO100578	40998	77182	VCH100908
16876	53060	CDF100873	28938	65122	NGO100580	40999	77183	VCH100911
16877	53061	CDF100874	28939	65123	NGO100582	41000	77184	VCH100912
16878	53062	CDF100875	28940	65124	NGO100584	41001	77185	VCH100921
16879	53063	CDF100877	28941	65125	NGO100586	41002	77186	VCH100927
16880	53064	CDF100879	28942	65126	NGO100588	41003	77187	VCH100935

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16881	53065	CDF100883	28943	65127	NGO100590	41004	77188	VCH100940
16882	53066	CDF100890	28944	65128	NGO100594	41005	77189	VCH100942
16883	53067	CDF100891	28945	65129	NGO100595	41006	77190	VCH100943
16884	53068	CDF100893	28946	65130	NGO100597	41007	77191	VCH100947
16885	53069	CDF100894	28947	65131	NGO100599	41008	77192	VCH100949
16886	53070	CDF100895	28948	65132	NGO100600	41009	77193	VCH100950
16887	53071	CDF100896	28949	65133	NGO100602	41010	77194	VCH100952
16888	53072	CDF100898	28950	65134	NGO100606	41011	77195	VCH100954
16889	53073	CDF100900	28951	65135	NGO100607	41012	77196	VCH100955
16890	53074	CDF100905	28952	65136	NGO100614	41013	77197	VCH100957
16891	53075	CDF100910	28953	65137	NGO100616	41014	77198	VCH100958
16892	53076	CDF100913	28954	65138	NGO100619	41015	77199	VCH100968
16893	53077	CDF100916	28955	65139	NGO100621	41016	77200	VCH100969
16894	53078	CDF100919	28956	65140	NGO100628	41017	77201	VCH100974
16895	53079	CDF100921	28957	65141	NGO100639	41018	77202	VCH100976
16896	53080	CDF100928	28958	65142	NGO100646	41019	77203	VCH100977
16897	53081	CDF100938	28959	65143	NGO100650	41020	77204	VCH100978
16898	53082	CDF100946	28960	65144	NGO100655	41021	77205	VCH100980
16899	53083	CDF100955	28961	65145	NGO100658	41022	77206	VCH100983
16900	53084	CDF100956	28962	65146	NGO100659	41023	77207	VCH101004
16901	53085	CDF100963	28963	65147	NGO100663	41024	77208	VCH101005
16902	53086	CDF100968	28964	65148	NGO100681	41025	77209	VCH101006
16903	53087	CDF100973	28965	65149	NGO100682	41026	77210	VCH101017
16904	53088	CDF100985	28966	65150	NGO100692	41027	77211	VCH101020
16905	53089	CDF100988	28967	65151	NGO100693	41028	77212	VCH101022
16906	53090	CDF100992	28968	65152	NGO100695	41029	77213	VCH101027
16907	53091	CDF101006	28969	65153	NGO100696	41030	77214	VCH101028
16908	53092	CDF101011	28970	65154	NGO100702	41031	77215	VCH101029
16909	53093	CDF101015	28971	65155	NGO100709	41032	77216	VCH101035
16910	53094	CDF101016	28972	65156	NGO100713	41033	77217	VCH101036
16911	53095	CDF101018	28973	65157	NGO100715	41034	77218	VCH101037
16912	53096	CDF101022	28974	65158	NGO100722	41035	77219	VCH101040
16913	53097	CDF101023	28975	65159	NGO100725	41036	77220	VCH101045
16914	53098	CDF101024	28976	65160	NGO100727	41037	77221	VCH101049
16915	53099	CDF101026	28977	65161	NGO100728	41038	77222	VCH101075
16916	53100	CDF101027	28978	65162	NGO100729	41039	77223	VCH101076
16917	53101	CDF101032	28979	65163	NGO100730	41040	77224	VCH101077
16918	53102	CDF101033	28980	65164	NGO100736	41041	77225	VCH101078
16919	53103	CDF101036	28981	65165	NGO100748	41042	77226	VCH101080
16920	53104	CDF101037	28982	65166	NGO100750	41043	77227	VCH101086
16921	53105	CDF101044	28983	65167	NGO100759	41044	77228	VCH101089
16922	53106	CDF101046	28984	65168	NGO100762	41045	77229	VCH101091
16923	53107	CDF101049	28985	65169	NGO100775	41046	77230	VCH101092
16924	53108	CDF101052	28986	65170	NGO100777	41047	77231	VCH101093
16925	53109	CDF101053	28987	65171	NGO100779	41048	77232	VCH101107
16926	53110	CDF101056	28988	65172	NGO100780	41049	77233	VCH101109
16927	53111	CDF101085	28989	65173	NGO100782	41050	77234	VCH101110
16928	53112	CDF101093	28990	65174	NGO100783	41051	77235	VCH101112
16929	53113	CDF101103	28991	65175	NGO100784	41052	77236	VCH101113
16930	53114	CDF101106	28992	65176	NGO100785	41053	77237	VCH101132
16931	53115	CDF101107	28993	65177	NGO100788	41054	77238	VCH101147
16932	53116	CDF101111	28994	65178	NGO100793	41055	77239	VCH101148
16933	53117	CDF101113	28995	65179	NGO100795	41056	77240	VCH101151
16934	53118	CDF101126	28996	65180	NGO100798	41057	77241	VCH101152
16935	53119	CDF101129	28997	65181	NGO100799	41058	77242	VCH101153

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16936	53120	CDF101135	28998	65182	NGO100804	41059	77243	VCH101158
16937	53121	CDF101141	28999	65183	NGO100807	41060	77244	VCH101160
16938	53122	CDF101143	29000	65184	NGO100813	41061	77245	VCH101183
16939	53123	CDF101148	29001	65185	NGO100815	41062	77246	VCH101184
16940	53124	CDF101154	29002	65186	NGO100817	41063	77247	VCH101187
16941	53125	CDF101156	29003	65187	NGO100826	41064	77248	VCH101196
16942	53126	CDF101157	29004	65188	NGO100829	41065	77249	VCH101200
16943	53127	CDF101158	29005	65189	NGO100830	41066	77250	VCH101201
16944	53128	CDF101162	29006	65190	NGO100831	41067	77251	VCH101215
16945	53129	CDF101163	29007	65191	NGO100839	41068	77252	VCH101223
16946	53130	CDF101166	29008	65192	NGO100851	41069	77253	VCH101225
16947	53131	CDF101172	29009	65193	NGO100852	41070	77254	VCH101236
16948	53132	CDF101174	29010	65194	NGO100854	41071	77255	VCH101237
16949	53133	CDF101175	29011	65195	NGO100861	41072	77256	VCH101239
16950	53134	CDF101185	29012	65196	NGO100865	41073	77257	VCH101240
16951	53135	CDF101197	29013	65197	NGO100871	41074	77258	VCH101263
16952	53136	CDF101198	29014	65198	NGO100874	41075	77259	VCH101264
16953	53137	CDF101203	29015	65199	NGO100883	41076	77260	VCH101268
16954	53138	CDF101204	29016	65200	NGO100885	41077	77261	VCH101278
16955	53139	CDF101213	29017	65201	NGO100887	41078	77262	VCH101280
16956	53140	CDF101218	29018	65202	NGO100888	41079	77263	VCH101281
16957	53141	CDF101225	29019	65203	NGO100889	41080	77264	VCH101283
16958	53142	CDF101226	29020	65204	NGO100890	41081	77265	VCH101284
16959	53143	CDF101229	29021	65205	NGO100891	41082	77266	VCH101285
16960	53144	CDF101233	29022	65206	NGO100893	41083	77267	VCH101291
16961	53145	CDF101242	29023	65207	NGO100894	41084	77268	VCH101301
16962	53146	CDF101251	29024	65208	NGO100896	41085	77269	VCH101307
16963	53147	CDF101258	29025	65209	NGO100898	41086	77270	VCH101315
16964	53148	CDF101260	29026	65210	NGO100899	41087	77271	VCH101317
16965	53149	CDF101262	29027	65211	NGO100904	41088	77272	VCH101321
16966	53150	CDF101264	29028	65212	NGO100907	41089	77273	VCH101329
16967	53151	CDF101265	29029	65213	NGO100911	41090	77274	VCH101334
16968	53152	CDF101269	29030	65214	NGO100912	41091	77275	VCH101344
16969	53153	CDF101274	29031	65215	NGO100917	41092	77276	VCH101352
16970	53154	CDF101278	29032	65216	NGO100919	41093	77277	VCH101366
16971	53155	CDF101289	29033	65217	NGO100920	41094	77278	VCH101382
16972	53156	CDF101294	29034	65218	NGO100921	41095	77279	VCH101389
16973	53157	CDF101300	29035	65219	NGO100923	41096	77280	VCH101393
16974	53158	CDF101305	29036	65220	NGO100925	41097	77281	VCH101395
16975	53159	CDF101307	29037	65221	NGO100927	41098	77282	VCH101403
16976	53160	CDF101308	29038	65222	NGO100929	41099	77283	VCH101404
16977	53161	CDF101312	29039	65223	NGO100931	41100	77284	VCH101414
16978	53162	CDF101314	29040	65224	NGO100932	41101	77285	VCH101421
16979	53163	CDF101327	29041	65225	NGO100934	41102	77286	VCH101430
16980	53164	CDF101333	29042	65226	NGO100936	41103	77287	VCH101463
16981	53165	CDF101334	29043	65227	NGO100938	41104	77288	VCH101469
16982	53166	CDF101347	29044	65228	NGO100939	41105	77289	VCH101471
16983	53167	CDF101353	29045	65229	NGO100947	41106	77290	VCH101476
16984	53168	CDF101362	29046	65230	NGO100954	41107	77291	VCH101496
16985	53169	CDF101374	29047	65231	NGO100957	41108	77292	VCH101497
16986	53170	CDF101386	29048	65232	NGO100959	41109	77293	VCH101503
16987	53171	CDF101392	29049	65233	NGO100962	41110	77294	VCH101525
16988	53172	CDF101397	29050	65234	NGO100967	41111	77295	VCH101530
16989	53173	CDF101399	29051	65235	NGO100971	41112	77296	VCH101533
16990	53174	CDF101403	29052	65236	NGO100973	41113	77297	VCH101534

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
16991	53175	CDF101412	29053	65237	NGO100979	41114	77298	VCH101536
16992	53176	CDF101426	29054	65238	NGO100980	41115	77299	VCH101551
16993	53177	CDF101429	29055	65239	NGO100982	41116	77300	VCH101555
16994	53178	CDF101436	29056	65240	NGO100984	41117	77301	VCH101557
16995	53179	CDF101443	29057	65241	NGO100986	41118	77302	VCH101558
16996	53180	CDF101444	29058	65242	NGO100989	41119	77303	VCH101561
16997	53181	CDF101445	29059	65243	NGO100995	41120	77304	VCH101565
16998	53182	CDF101451	29060	65244	NGO100999	41121	77305	VCH101566
16999	53183	CDF101453	29061	65245	NGO101001	41122	77306	VCH101567
17000	53184	CDF101466	29062	65246	NGO101003	41123	77307	VCH101573
17001	53185	CDF101471	29063	65247	NGO101005	41124	77308	VCH101574
17002	53186	CDF101472	29064	65248	NGO101007	41125	77309	VCH101585
17003	53187	CDF101475	29065	65249	NGO101009	41126	77310	VCH101588
17004	53188	CDF101478	29066	65250	NGO101013	41127	77311	VCH101594
17005	53189	CDF101479	29067	65251	NGO101025	41128	77312	VCH101607
17006	53190	CDF101484	29068	65252	NGO101027	41129	77313	VCH101608
17007	53191	CDF101487	29069	65253	NGO101035	41130	77314	VCH101612
17008	53192	CDF101488	29070	65254	NGO101039	41131	77315	VCH101613
17009	53193	CDF101490	29071	65255	NGO101047	41132	77316	VCH101614
17010	53194	CDF101501	29072	65256	NGO101050	41133	77317	VCH101626
17011	53195	CDF101504	29073	65257	NGO101054	41134	77318	VCH101631
17012	53196	CDF101510	29074	65258	NGO101056	41135	77319	VCH101656
17013	53197	CDF101512	29075	65259	NGO101059	41136	77320	VCH101659
17014	53198	CDF101537	29076	65260	NGO101060	41137	77321	VCH101669
17015	53199	CDF101542	29077	65261	NGO101061	41138	77322	VCH101672
17016	53200	CDF101563	29078	65262	NGO101062	41139	77323	VCH101673
17017	53201	CDF101569	29079	65263	NGO101068	41140	77324	VCH101683
17018	53202	CDF101574	29080	65264	NGO101070	41141	77325	VCH101693
17019	53203	CDF101575	29081	65265	NGO101071	41142	77326	VCH101702
17020	53204	CDF101594	29082	65266	NGO101078	41143	77327	VCH101709
17021	53205	CDF101597	29083	65267	NGO101084	41144	77328	VCH101713
17022	53206	CDF101598	29084	65268	NGO101085	41145	77329	VCH101717
17023	53207	CDF101604	29085	65269	NGO101086	41146	77330	VCH101723
17024	53208	CDF101608	29086	65270	NGO101087	41147	77331	VCH101736
17025	53209	CDF101611	29087	65271	NGO101096	41148	77332	VCH101740
17026	53210	CDF101613	29088	65272	NGO101099	41149	77333	VCH101757
17027	53211	CDF101615	29089	65273	NGO101101	41150	77334	VCH101777
17028	53212	CDF101617	29090	65274	NGO101103	41151	77335	VCH101789
17029	53213	CDF101623	29091	65275	NGO101104	41152	77336	VCH101790
17030	53214	CDF101626	29092	65276	NGO101107	41153	77337	VCH101791
17031	53215	CDF101629	29093	65277	NGO101111	41154	77338	VCH101792
17032	53216	CDF101630	29094	65278	NGO101113	41155	77339	VCH101796
17033	53217	CDF101638	29095	65279	NGO101119	41156	77340	VCH101797
17034	53218	CDF101639	29096	65280	NGO101120	41157	77341	VCH101804
17035	53219	CDF101648	29097	65281	NGO101123	41158	77342	VCH101807
17036	53220	CDF101661	29098	65282	NGO101128	41159	77343	VCH101814
17037	53221	CDF101665	29099	65283	NGO101136	41160	77344	VCH101818
17038	53222	CDF101686	29100	65284	NGO101160	41161	77345	VCH101822
17039	53223	CDF101697	29101	65285	NGO101163	41162	77346	VCH101827
17040	53224	CDF101698	29102	65286	NGO101165	41163	77347	VCH101828
17041	53225	CDF101700	29103	65287	NGO101171	41164	77348	VCH101832
17042	53226	CDF101701	29104	65288	NGO101177	41165	77349	VCH101833
17043	53227	CDF101708	29105	65289	NGO101181	41166	77350	VCH101843
17044	53228	CDF101725	29106	65290	NGO101188	41167	77351	VCH101844
17045	53229	CDF101730	29107	65291	NGO101191	41168	77352	VCH101848

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17046	53230	CDF101733	29108	65292	NGO101204	41169	77353	VCH101854
17047	53231	CDF101736	29109	65293	NGO101205	41170	77354	VCH101856
17048	53232	CDF101739	29110	65294	NGO101209	41171	77355	VCH101873
17049	53233	CDF101756	29111	65295	NGO101210	41172	77356	VCH101880
17050	53234	CDF101757	29112	65296	NGO101211	41173	77357	VCH101885
17051	53235	CDF101758	29113	65297	NGO101214	41174	77358	VCH101886
17052	53236	CDF101760	29114	65298	NGO101218	41175	77359	VCH101890
17053	53237	CDF101762	29115	65299	NGO101220	41176	77360	VCH101891
17054	53238	CDF101764	29116	65300	NGO101240	41177	77361	VCH101899
17055	53239	CDF101767	29117	65301	NGO101247	41178	77362	VCH101926
17056	53240	CDF101769	29118	65302	NGO101248	41179	77363	VCH101927
17057	53241	CDF101771	29119	65303	NGO101257	41180	77364	VCH101936
17058	53242	CDF101772	29120	65304	NGO101258	41181	77365	VCH101962
17059	53243	CDF101773	29121	65305	NGO101261	41182	77366	VCH101970
17060	53244	CDF101805	29122	65306	NGO101264	41183	77367	VCH101978
17061	53245	CDF101807	29123	65307	NGO101266	41184	77368	VCH101984
17062	53246	CDF101808	29124	65308	NGO101271	41185	77369	VCH101985
17063	53247	CDF101827	29125	65309	NGO101273	41186	77370	VCH101986
17064	53248	CDF101830	29126	65310	NGO101275	41187	77371	VCH101988
17065	53249	CDF101842	29127	65311	NGO101276	41188	77372	VCH101989
17066	53250	CDF101858	29128	65312	NGO101277	41189	77373	VCH101990
17067	53251	CDF101870	29129	65313	NGO101280	41190	77374	VCH101991
17068	53252	CDF101879	29130	65314	NGO101284	41191	77375	VCH101992
17069	53253	CDF101880	29131	65315	NGO101285	41192	77376	VCH101993
17070	53254	CDF101890	29132	65316	NGO101290	41193	77377	VCH101997
17071	53255	CDF101891	29133	65317	NGO101291	41194	77378	VCH102003
17072	53256	CDF101894	29134	65318	NGO101296	41195	77379	VCH102013
17073	53257	CDF101910	29135	65319	NGO101297	41196	77380	VCH102018
17074	53258	CDF101911	29136	65320	NGO101301	41197	77381	VCH102024
17075	53259	CDF101928	29137	65321	NGO101306	41198	77382	VCH102029
17076	53260	CDF101932	29138	65322	NGO101307	41199	77383	VCH102032
17077	53261	CDF101971	29139	65323	NGO101308	41200	77384	VCH102033
17078	53262	CDF101975	29140	65324	NGO101309	41201	77385	VCH102042
17079	53263	CDF101977	29141	65325	NGO101314	41202	77386	VCH102046
17080	53264	CDF102022	29142	65326	NGO101318	41203	77387	VCH102052
17081	53265	CDF102023	29143	65327	NGO101321	41204	77388	VCH102055
17082	53266	CDF102031	29144	65328	NGO101323	41205	77389	VCH102057
17083	53267	CDF102033	29145	65329	NGO101326	41206	77390	VCH102060
17084	53268	CDF102071	29146	65330	NGO101334	41207	77391	VCH102065
17085	53269	CDF102075	29147	65331	NGO101341	41208	77392	VCH102075
17086	53270	CDF102080	29148	65332	NGO101342	41209	77393	VCH102076
17087	53271	CDF102082	29149	65333	NGO101344	41210	77394	VCH102083
17088	53272	CDF102097	29150	65334	NGO101348	41211	77395	VCH102087
17089	53273	CDF102100	29151	65335	NGO101351	41212	77396	VCH102099
17090	53274	CDF102102	29152	65336	NGO101356	41213	77397	VCH102112
17091	53275	CDF102110	29153	65337	NGO101357	41214	77398	VCH102141
17092	53276	CDF102112	29154	65338	NGO101359	41215	77399	VCH102142
17093	53277	CDF102115	29155	65339	NGO101375	41216	77400	VCH102144
17094	53278	CDF102122	29156	65340	NGO101376	41217	77401	VCH102145
17095	53279	CDF102133	29157	65341	NGO101381	41218	77402	VCH102146
17096	53280	CDF102134	29158	65342	NGO101384	41219	77403	VCH102147
17097	53281	CDF102156	29159	65343	NGO101385	41220	77404	VCH102150
17098	53282	CDF102160	29160	65344	NGO101386	41221	77405	VCH102152
17099	53283	CDF102163	29161	65345	NGO101390	41222	77406	VCH102165
17100	53284	CDF102168	29162	65346	NGO101393	41223	77407	VCH102180

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17101	53285	CDF102169	29163	65347	NGO101394	41224	77408	VCH102181
17102	53286	CDF102172	29164	65348	NGO101399	41225	77409	VCH102186
17103	53287	CDF102182	29165	65349	NGO101400	41226	77410	VCH102191
17104	53288	CDF102190	29166	65350	NGO101406	41227	77411	VCH102208
17105	53289	CDF102194	29167	65351	NGO101407	41228	77412	VCH102210
17106	53290	CDF102197	29168	65352	NGO101420	41229	77413	VCH102211
17107	53291	CDF102198	29169	65353	NGO101427	41230	77414	VCH102212
17108	53292	CDF102200	29170	65354	NGO101432	41231	77415	VCH102213
17109	53293	CDF102218	29171	65355	NGO101440	41232	77416	VCH102215
17110	53294	CDF102230	29172	65356	NGO101445	41233	77417	VCH102216
17111	53295	CDF102241	29173	65357	NGO101449	41234	77418	VCH102221
17112	53296	CDF102256	29174	65358	NGO101461	41235	77419	VCH102222
17113	53297	CDF102264	29175	65359	NGO101470	41236	77420	VCH102223
17114	53298	CDF102268	29176	65360	NGO101471	41237	77421	VCH102224
17115	53299	CDF102271	29177	65361	NGO101474	41238	77422	VCH102225
17116	53300	CDF102273	29178	65362	NGO101477	41239	77423	VCH102226
17117	53301	CDF102281	29179	65363	NGO101479	41240	77424	VCH102228
17118	53302	CDF102290	29180	65364	NGO101492	41241	77425	VCH102232
17119	53303	CDF102294	29181	65365	NGO101494	41242	77426	VCH102233
17120	53304	CDF102295	29182	65366	NGO101498	41243	77427	VCH102234
17121	53305	CDF102299	29183	65367	NGO101515	41244	77428	VCH102235
17122	53306	CDF102303	29184	65368	NGO101519	41245	77429	VCH102236
17123	53307	CDF102305	29185	65369	NGO101522	41246	77430	VCH102237
17124	53308	CDF102312	29186	65370	NGO101532	41247	77431	VCH102239
17125	53309	CDF102314	29187	65371	NGO101542	41248	77432	VCH102285
17126	53310	CDF102323	29188	65372	NGO101561	41249	77433	VCH102289
17127	53311	CDF102335	29189	65373	NGO101563	41250	77434	VCH102308
17128	53312	CDF102339	29190	65374	NGO101564	41251	77435	VCH102315
17129	53313	CDF102341	29191	65375	NGO101565	41252	77436	VCH102325
17130	53314	CDF102345	29192	65376	NGO101574	41253	77437	VCH102327
17131	53315	CDF102346	29193	65377	NGO101576	41254	77438	VCH102328
17132	53316	CDF102350	29194	65378	NGO101578	41255	77439	VCH102329
17133	53317	CDF102353	29195	65379	NGO101582	41256	77440	VCH102338
17134	53318	CDF102363	29196	65380	NGO101585	41257	77441	VCH102339
17135	53319	CDF102374	29197	65381	NGO101587	41258	77442	VCH102341
17136	53320	CDF102385	29198	65382	NGO101594	41259	77443	VCH102342
17137	53321	CDF102396	29199	65383	NGO101595	41260	77444	VCH102344
17138	53322	CDF102404	29200	65384	NGO101601	41261	77445	VCH102346
17139	53323	CDF102412	29201	65385	NGO101603	41262	77446	VCH102350
17140	53324	CDF102419	29202	65386	NGO101613	41263	77447	VCH102354
17141	53325	CDF102422	29203	65387	NGO101615	41264	77448	VCH102355
17142	53326	CDF102434	29204	65388	NGO101616	41265	77449	VCH102356
17143	53327	CDF102436	29205	65389	NGO101617	41266	77450	VCH102359
17144	53328	CDF102440	29206	65390	NGO101619	41267	77451	VCH102361
17145	53329	CDF102441	29207	65391	NGO101620	41268	77452	VCH102362
17146	53330	CDF102444	29208	65392	NGO101623	41269	77453	VCH102363
17147	53331	CDF102447	29209	65393	NGO101626	41270	77454	VCH102364
17148	53332	CDF102465	29210	65394	NGO101627	41271	77455	VCH102365
17149	53333	CDF102470	29211	65395	NGO101628	41272	77456	VCH102366
17150	53334	CDF102471	29212	65396	NGO101630	41273	77457	VCH102367
17151	53335	CDF102483	29213	65397	NGO101631	41274	77458	VCH102368
17152	53336	CDF102505	29214	65398	NGO101632	41275	77459	VCH102369
17153	53337	CDF102522	29215	65399	NGO101633	41276	77460	VCH102370
17154	53338	CDF102528	29216	65400	NGO101635	41277	77461	VCH102371
17155	53339	CDF102535	29217	65401	NGO101637	41278	77462	VCH102372

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17156	53340	CDF102548	29218	65402	NGO101638	41279	77463	VCH102374
17157	53341	CDF102552	29219	65403	NGO101640	41280	77464	VCH102377
17158	53342	CDF102556	29220	65404	NGO101641	41281	77465	VCH102378
17159	53343	CDF102560	29221	65405	NGO101642	41282	77466	VCH102380
17160	53344	CDF102581	29222	65406	NGO101643	41283	77467	VCH102382
17161	53345	CDF102584	29223	65407	NGO101656	41284	77468	VCH102383
17162	53346	CDF102594	29224	65408	NGO101658	41285	77469	VCH102384
17163	53347	CDF102596	29225	65409	NGO101663	41286	77470	VCH102393
17164	53348	CDF102599	29226	65410	NGO101665	41287	77471	VCH102398
17165	53349	CDF102611	29227	65411	NGO101667	41288	77472	VCH102399
17166	53350	CDF102622	29228	65412	NGO101670	41289	77473	VCH102404
17167	53351	CDF102626	29229	65413	NGO101672	41290	77474	VCH102406
17168	53352	CDF102635	29230	65414	NGO101673	41291	77475	VCH102409
17169	53353	CDF102641	29231	65415	NGO101678	41292	77476	VCH102410
17170	53354	CDF102644	29232	65416	NGO101679	41293	77477	VCH102411
17171	53355	CDF102669	29233	65417	NGO101686	41294	77478	VCH102412
17172	53356	CDF102682	29234	65418	NGO101687	41295	77479	VCH102414
17173	53357	CDF102694	29235	65419	NGO101699	41296	77480	VCH102415
17174	53358	CDF102700	29236	65420	NGO101700	41297	77481	VCH102421
17175	53359	CDF102708	29237	65421	NGO101704	41298	77482	VCH102424
17176	53360	CDF102709	29238	65422	NGO101705	41299	77483	VCH102426
17177	53361	CDF102713	29239	65423	NGO101717	41300	77484	VCH102435
17178	53362	CDF102720	29240	65424	NGO101723	41301	77485	VCH102436
17179	53363	CDF102721	29241	65425	NGO101724	41302	77486	VCH102438
17180	53364	CDF102723	29242	65426	NGO101731	41303	77487	VCH102443
17181	53365	CDF102732	29243	65427	NGO101737	41304	77488	VCH102446
17182	53366	CDF102735	29244	65428	NGO101739	41305	77489	VCH102447
17183	53367	CDF102736	29245	65429	NGO101743	41306	77490	VCH102452
17184	53368	CDF102742	29246	65430	NGO101754	41307	77491	VCH102456
17185	53369	CDF102758	29247	65431	NGO101758	41308	77492	VCH102465
17186	53370	CDF102762	29248	65432	NGO101759	41309	77493	VCH102466
17187	53371	CDF102772	29249	65433	NGO101761	41310	77494	VCH102467
17188	53372	CDF102776	29250	65434	NGO101762	41311	77495	VCH102472
17189	53373	CDF102791	29251	65435	NGO101768	41312	77496	VCH102478
17190	53374	CDF102795	29252	65436	NGO101770	41313	77497	VCH102491
17191	53375	CDF102800	29253	65437	NGO101772	41314	77498	VCH102495
17192	53376	CDF102803	29254	65438	NGO101773	41315	77499	VCH102497
17193	53377	CDF102812	29255	65439	NGO101776	41316	77500	VCH102499
17194	53378	CDF102815	29256	65440	NGO101791	41317	77501	VCH102502
17195	53379	CDF102818	29257	65441	NGO101799	41318	77502	VCH102510
17196	53380	CDF102819	29258	65442	NGO101807	41319	77503	VCH102521
17197	53381	CDF102828	29259	65443	NGO101815	41320	77504	VCH102524
17198	53382	CDF102839	29260	65444	NGO101819	41321	77505	VCH102527
17199	53383	CDF102844	29261	65445	NGO101829	41322	77506	VCH102532
17200	53384	CDF102870	29262	65446	NGO101832	41323	77507	VCH102533
17201	53385	CDF102872	29263	65447	NGO101834	41324	77508	VCH102534
17202	53386	CDF102875	29264	65448	NGO101835	41325	77509	VCH102535
17203	53387	CDF102888	29265	65449	NGO101840	41326	77510	VCH102536
17204	53388	CDF102901	29266	65450	NGO101844	41327	77511	VCH102537
17205	53389	CDF102912	29267	65451	NGO101847	41328	77512	VCH102538
17206	53390	CDF102915	29268	65452	NGO101849	41329	77513	VCH102539
17207	53391	CDF102916	29269	65453	NGO101850	41330	77514	VCH102540
17208	53392	CDF102919	29270	65454	NGO101851	41331	77515	VCH102541
17209	53393	CDF102920	29271	65455	NGO101853	41332	77516	VCH102542
17210	53394	CDF102926	29272	65456	NGO101854	41333	77517	VCH102543

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17211	53395	CDF102934	29273	65457	NGO101855	41334	77518	VCH102544
17212	53396	CDF102939	29274	65458	NGO101858	41335	77519	VCH102545
17213	53397	CDF102948	29275	65459	NGO101860	41336	77520	VCH102546
17214	53398	CDF102952	29276	65460	NGO101868	41337	77521	VCH102547
17215	53399	CDF102956	29277	65461	NGO101870	41338	77522	VCH102548
17216	53400	CDF102964	29278	65462	NGO101872	41339	77523	VCH102549
17217	53401	CDF102976	29279	65463	NGO101874	41340	77524	VCH102550
17218	53402	CDF102979	29280	65464	NGO101878	41341	77525	VCH102551
17219	53403	CDF102980	29281	65465	NGO101881	41342	77526	VCH102552
17220	53404	CDF102990	29282	65466	NGO101883	41343	77527	VCH102553
17221	53405	CDF102998	29283	65467	NGO101887	41344	77528	VCH102554
17222	53406	CDF103015	29284	65468	NGO101889	41345	77529	VCH102555
17223	53407	CDF103020	29285	65469	NGO101892	41346	77530	VCH102556
17224	53408	CDF103030	29286	65470	NGO101895	41347	77531	VCH102557
17225	53409	CDF103032	29287	65471	NGO101896	41348	77532	VCH102558
17226	53410	CDF103033	29288	65472	NGO101899	41349	77533	VCH102559
17227	53411	CDF103036	29289	65473	NGO101903	41350	77534	VCH102560
17228	53412	CDF103042	29290	65474	NGO101904	41351	77535	VCH102565
17229	53413	CDF103045	29291	65475	NGO101908	41352	77536	VCH102579
17230	53414	CDF103058	29292	65476	NGO101913	41353	77537	VCH102581
17231	53415	CDF103080	29293	65477	NGO101914	41354	77538	VCH102583
17232	53416	CDF103094	29294	65478	NGO101916	41355	77539	VCH102586
17233	53417	CDF103097	29295	65479	NGO101920	41356	77540	VCH102598
17234	53418	CDF103106	29296	65480	NGO101923	41357	77541	VCH102600
17235	53419	CDF103113	29297	65481	NGO101926	41358	77542	VCH102604
17236	53420	CDF103119	29298	65482	NGO101927	41359	77543	VCH102612
17237	53421	CDF103132	29299	65483	NGO101928	41360	77544	VCH102614
17238	53422	CDF103133	29300	65484	NGO101930	41361	77545	VCH102617
17239	53423	CDF103152	29301	65485	NGO101932	41362	77546	VCH102618
17240	53424	CDF103162	29302	65486	NGO101933	41363	77547	VCH102627
17241	53425	CDF103166	29303	65487	NGO101935	41364	77548	VCH102632
17242	53426	CDF103177	29304	65488	NGO101937	41365	77549	VCH102638
17243	53427	CDF103179	29305	65489	NGO101941	41366	77550	VCH102645
17244	53428	CDF103183	29306	65490	NGO101943	41367	77551	VCH102651
17245	53429	CDF103189	29307	65491	NGO101945	41368	77552	VCH102652
17246	53430	CDF103190	29308	65492	NGO101947	41369	77553	VCH102654
17247	53431	CDF103193	29309	65493	NGO101948	41370	77554	VCH102658
17248	53432	CDF103200	29310	65494	NGO101961	41371	77555	VCH102668
17249	53433	CDF103201	29311	65495	NGO101964	41372	77556	VCH102672
17250	53434	CDF103227	29312	65496	NGO101966	41373	77557	VCH102675
17251	53435	CDF103236	29313	65497	NGO101970	41374	77558	VCH102678
17252	53436	CDF103240	29314	65498	NGO101975	41375	77559	VCH102696
17253	53437	CDF103247	29315	65499	NGO101976	41376	77560	VCH102697
17254	53438	CDF103249	29316	65500	NGO101981	41377	77561	VCH102699
17255	53439	CDF103251	29317	65501	NGO101986	41378	77562	VCH102705
17256	53440	CDF103262	29318	65502	NGO101989	41379	77563	VCH102707
17257	53441	CDF103263	29319	65503	NGO101993	41380	77564	VCH102709
17258	53442	CDF103274	29320	65504	NGO102003	41381	77565	VCH102720
17259	53443	CDF103288	29321	65505	NGO102004	41382	77566	VCH102723
17260	53444	CDF103290	29322	65506	NGO102006	41383	77567	VCH102727
17261	53445	CDF103294	29323	65507	NGO102007	41384	77568	VCH102728
17262	53446	CDF103297	29324	65508	NGO102008	41385	77569	VCH102730
17263	53447	CDF103315	29325	65509	NGO102016	41386	77570	VCH102731
17264	53448	CDF103324	29326	65510	NGO102022	41387	77571	VCH102734
17265	53449	CDF103325	29327	65511	NGO102024	41388	77572	VCH102735

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17266	53450	CDF103326	29328	65512	NGO102027	41389	77573	VCH102736
17267	53451	CDF103337	29329	65513	NGO102033	41390	77574	VCH102742
17268	53452	CDF103342	29330	65514	NGO102035	41391	77575	VCH102754
17269	53453	CDF103346	29331	65515	NGO102044	41392	77576	VCH102759
17270	53454	CDF103349	29332	65516	NGO102045	41393	77577	VCH102794
17271	53455	CDF103355	29333	65517	NGO102048	41394	77578	VCH102800
17272	53456	CDF103357	29334	65518	NGO102060	41395	77579	VCH102807
17273	53457	CDF103367	29335	65519	NGO102122	41396	77580	VCH102813
17274	53458	CDF103369	29336	65520	NGO102340	41397	77581	VCH102815
17275	53459	CDF103374	29337	65521	NGO102402	41398	77582	VCH102833
17276	53460	CDF103376	29338	65522	NGO102451	41399	77583	VCH102834
17277	53461	CDF103392	29339	65523	NGO102470	41400	77584	VCH102835
17278	53462	CDF103395	29340	65524	NGO102478	41401	77585	VCH102859
17279	53463	CDF103398	29341	65525	NGO102494	41402	77586	VCH102863
17280	53464	CDF103406	29342	65526	NGO102501	41403	77587	VCH102865
17281	53465	CDF103409	29343	65527	NGO102546	41404	77588	VCH102866
17282	53466	CDF103411	29344	65528	NGO102594	41405	77589	VCH102882
17283	53467	CDF103424	29345	65529	NGO102668	41406	77590	VCH102892
17284	53468	CDF103450	29346	65530	NGO102690	41407	77591	VCH102911
17285	53469	CDF103451	29347	65531	NGO102691	41408	77592	VCH102915
17286	53470	CDF103454	29348	65532	NGO102695	41409	77593	VCH102929
17287	53471	CDF103463	29349	65533	NGO102702	41410	77594	VCH102941
17288	53472	CDF103467	29350	65534	NGO102756	41411	77595	VCH102948
17289	53473	CDF103476	29351	65535	NGO102937	41412	77596	VCH102962
17290	53474	CDF103505	29352	65536	NGO102970	41413	77597	VCH102965
17291	53475	CDF103506	29353	65537	NGO103053	41414	77598	VCH102977
17292	53476	CDF103514	29354	65538	NGO103107	41415	77599	VCH102978
17293	53477	CDF103521	29355	65539	NGO103118	41416	77600	VCH102979
17294	53478	CDF103530	29356	65540	NGO103134	41417	77601	VCH102980
17295	53479	CDF103531	29357	65541	NGO103266	41418	77602	VCH103001
17296	53480	CDF103540	29358	65542	NGO103389	41419	77603	VCH103010
17297	53481	CDF103547	29359	65543	NGO103576	41420	77604	VCH103013
17298	53482	CDF103551	29360	65544	NGO103600	41421	77605	VCH103018
17299	53483	CDF103552	29361	65545	NGO103623	41422	77606	VCH103019
17300	53484	CDF103555	29362	65546	NGO103626	41423	77607	VCH103020
17301	53485	CDF103560	29363	65547	NGO103629	41424	77608	VCH103030
17302	53486	CDF103562	29364	65548	NGO103687	41425	77609	VCH103198
17303	53487	CDF103563	29365	65549	NGO103743	41426	77610	VCH103209
17304	53488	CDF103566	29366	65550	NME100236	41427	77611	VCH103214
17305	53489	CDF103571	29367	65551	NME100252	41428	77612	VCH103237
17306	53490	CDF103575	29368	65552	NME100470	41429	77613	VCH103241
17307	53491	CDF103578	29369	65553	NME100473	41430	77614	VCH103245
17308	53492	CDF103581	29370	65554	NME100672	41431	77615	VCH103246
17309	53493	CDF103586	29371	65555	NME100865	41432	77616	VCH103249
17310	53494	CDF103594	29372	65556	NME100881	41433	77617	VCH103253
17311	53495	CDF103596	29373	65557	NME101006	41434	77618	VCH103254
17312	53496	CDF103625	29374	65558	NME101282	41435	77619	VCH103256
17313	53497	CDF103636	29375	65559	NME101639	41436	77620	VCH103263
17314	53498	CDF103637	29376	65560	NME101733	41437	77621	VCH103268
17315	53499	CDF103639	29377	65561	NME101919	41438	77622	VCH103270
17316	53500	CDF103650	29378	65562	NME102042	41439	77623	VCH103287
17317	53501	CDF103659	29379	65563	NME102130	41440	77624	VCH103296
17318	53502	CDF103661	29380	65564	NME102132	41441	77625	VCH103300
17319	53503	CDF103672	29381	65565	NME102279	41442	77626	VCH103302
17320	53504	CDF103674	29382	65566	NME102614	41443	77627	VCH103315

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17321	53505	CDF103678	29383	65567	NME102710	41444	77628	VCH103341
17322	53506	CDF103680	29384	65568	NME103001	41445	77629	VCH103344
17323	53507	CDF103684	29385	65569	NME103365	41446	77630	VCH103346
17324	53508	CDF103688	29386	65570	NME103369	41447	77631	VCH103347
17325	53509	CDF103692	29387	65571	NME104849	41448	77632	VCH103365
17326	53510	CDF103715	29388	65572	NME105091	41449	77633	VCH103392
17327	53511	CDF103720	29389	65573	NME200002	41450	77634	VCH103397
17328	53512	CDF103732	29390	65574	NME200004	41451	77635	VCH103400
17329	53513	CDF103744	29391	65575	NME200010	41452	77636	VCH103408
17330	53514	CDF103746	29392	65576	NME200014	41453	77637	VCH103412
17331	53515	CDF103752	29393	65577	NME200015	41454	77638	VCH103430
17332	53516	CDF103755	29394	65578	NME200026	41455	77639	VCH103431
17333	53517	CDF103760	29395	65579	NME200029	41456	77640	VCH103435
17334	53518	CDF103765	29396	65580	NME200041	41457	77641	VCH103439
17335	53519	CDF103770	29397	65581	NME200042	41458	77642	VCH103445
17336	53520	CDF103771	29398	65582	NME200047	41459	77643	VCH103447
17337	53521	CDF103776	29399	65583	NME200053	41460	77644	VCH103448
17338	53522	CDF103778	29400	65584	NME200054	41461	77645	VCH103465
17339	53523	CDF103782	29401	65585	NME200057	41462	77646	VCH103469
17340	53524	CDF103784	29402	65586	NME200061	41463	77647	VCH103478
17341	53525	CDF103795	29403	65587	NME200064	41464	77648	VCH103496
17342	53526	CDF103797	29404	65588	NME200069	41465	77649	VCH103500
17343	53527	CDF103801	29405	65589	NME200070	41466	77650	VCH103501
17344	53528	CDF103804	29406	65590	NME200071	41467	77651	VCH103502
17345	53529	CDF103805	29407	65591	NME200072	41468	77652	VCH103503
17346	53530	CDF103808	29408	65592	NME200075	41469	77653	VCH103521
17347	53531	CDF103810	29409	65593	NME200076	41470	77654	VCH103522
17348	53532	CDF103820	29410	65594	NME200077	41471	77655	VCH103524
17349	53533	CDF103821	29411	65595	NME200082	41472	77656	VCH103525
17350	53534	CDF103827	29412	65596	NME200083	41473	77657	VCH103533
17351	53535	CDF103831	29413	65597	NME200089	41474	77658	VCH103534
17352	53536	CDF103872	29414	65598	NME200096	41475	77659	VCH103540
17353	53537	CDF103877	29415	65599	NME200097	41476	77660	VCH103555
17354	53538	CDF103879	29416	65600	NME200098	41477	77661	VCH103556
17355	53539	CDF103887	29417	65601	NME200099	41478	77662	VCH103557
17356	53540	CDF103888	29418	65602	NME200100	41479	77663	VCH103569
17357	53541	CDF103902	29419	65603	NME200101	41480	77664	VCH103582
17358	53542	CDF103903	29420	65604	NME200102	41481	77665	VCH103587
17359	53543	CDF103906	29421	65605	NME200103	41482	77666	VCH103591
17360	53544	CDF103911	29422	65606	NME200104	41483	77667	VCH103592
17361	53545	CDF103913	29423	65607	NME200105	41484	77668	VCH103597
17362	53546	CDF103914	29424	65608	NME200106	41485	77669	VCH103605
17363	53547	CDF103915	29425	65609	NME200107	41486	77670	VCH103606
17364	53548	CDF103927	29426	65610	NME200108	41487	77671	VCH103615
17365	53549	CDF103929	29427	65611	NME200109	41488	77672	VCH103617
17366	53550	CDF103937	29428	65612	NME200110	41489	77673	VCH103624
17367	53551	CDF103938	29429	65613	NME200111	41490	77674	VCH103644
17368	53552	CDF103939	29430	65614	NME200112	41491	77675	VCH103663
17369	53553	CDF103947	29431	65615	NME200113	41492	77676	VCH103664
17370	53554	CDF103949	29432	65616	NME200114	41493	77677	VCH103690
17371	53555	CDF103952	29433	65617	NME200115	41494	77678	VCH103693
17372	53556	CDF103953	29434	65618	NME200116	41495	77679	VCH103702
17373	53557	CDF103962	29435	65619	NME200117	41496	77680	VCH103704
17374	53558	CDF103965	29436	65620	NME200118	41497	77681	VCH103717
17375	53559	CDF103974	29437	65621	NME200119	41498	77682	VCH103722

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17376	53560	CDF103976	29438	65622	NME200120	41499	77683	VCH103726
17377	53561	CDF103985	29439	65623	NME200121	41500	77684	VCH103730
17378	53562	CDF103991	29440	65624	NME200122	41501	77685	VCH103735
17379	53563	CDF103994	29441	65625	NME200123	41502	77686	VCH103743
17380	53564	CDF103997	29442	65626	NME200125	41503	77687	VCH103746
17381	53565	CDF103998	29443	65627	NME200127	41504	77688	VCH103754
17382	53566	CDF104004	29444	65628	NME200128	41505	77689	VCH103755
17383	53567	CDF104012	29445	65629	NME200129	41506	77690	VCH103757
17384	53568	CDF104017	29446	65630	NME200130	41507	77691	VCH103759
17385	53569	CDF104028	29447	65631	NME200131	41508	77692	VCH103762
17386	53570	CDF104041	29448	65632	NME200135	41509	77693	VCH103763
17387	53571	CDF104046	29449	65633	NME200136	41510	77694	VCH103764
17388	53572	CDF104047	29450	65634	NME200137	41511	77695	VCH103799
17389	53573	CDF104052	29451	65635	NME200138	41512	77696	VCH103807
17390	53574	CDF104057	29452	65636	NME200139	41513	77697	VCH103812
17391	53575	CDF104086	29453	65637	NME200140	41514	77698	VCH103825
17392	53576	CDF104095	29454	65638	NME200141	41515	77699	VCH103826
17393	53577	CDF104102	29455	65639	NME200142	41516	77700	YPS000004
17394	53578	CDF104113	29456	65640	NME200143	41517	77701	YPS000005
17395	53579	CDF104123	29457	65641	NME200144	41518	77702	YPS000008
17396	53580	CDF104126	29458	65642	NME200149	41519	77703	YPS000011
17397	53581	CDF104127	29459	65643	NME200153	41520	77704	YPS000017
17398	53582	CDF104133	29460	65644	NME200155	41521	77705	YPS000024
17399	53583	CDF104135	29461	65645	NME200158	41522	77706	YPS000029
17400	53584	CDF104139	29462	65646	NME200171	41523	77707	YPS000030
17401	53585	CDF104151	29463	65647	NME200172	41524	77708	YPS000041
17402	53586	CDF104152	29464	65648	NME200185	41525	77709	YPS000049
17403	53587	CDF104153	29465	65649	NME200186	41526	77710	YPS000050
17404	53588	CDF104166	29466	65650	NME200190	41527	77711	YPS000052
17405	53589	CDF104168	29467	65651	NME200203	41528	77712	YPS000053
17406	53590	CDF104179	29468	65652	NME200206	41529	77713	YPS000055
17407	53591	CDF104187	29469	65653	NME200207	41530	77714	YPS000060
17408	53592	CDF104196	29470	65654	NME200209	41531	77715	YPS000064
17409	53593	CDF104197	29471	65655	NME200210	41532	77716	YPS000069
17410	53594	CDF104202	29472	65656	NME200212	41533	77717	YPS000070
17411	53595	CDF104210	29473	65657	NME200216	41534	77718	YPS000071
17412	53596	CDF104218	29474	65658	NME200226	41535	77719	YPS000074
17413	53597	CDF104232	29475	65659	NME200227	41536	77720	YPS000084
17414	53598	CDF104256	29476	65660	NME200229	41537	77721	YPS000085
17415	53599	CDF104259	29477	65661	NME200230	41538	77722	YPS000089
17416	53600	CDF104265	29478	65662	NME200231	41539	77723	YPS000093
17417	53601	CDF104280	29479	65663	NME200232	41540	77724	YPS000097
17418	53602	CDF104286	29480	65664	NME200234	41541	77725	YPS000098
17419	53603	CDF104289	29481	65665	NME200241	41542	77726	YPS000099
17420	53604	CDF104297	29482	65666	NME200242	41543	77727	YPS000102
17421	53605	CDF104306	29483	65667	NME200243	41544	77728	YPS000110
17422	53606	CDF104307	29484	65668	NME200246	41545	77729	YPS000124
17423	53607	CDF104311	29485	65669	NME200247	41546	77730	YPS000126
17424	53608	CDF104317	29486	65670	NME200254	41547	77731	YPS000129
17425	53609	CDF104319	29487	65671	NME200259	41548	77732	YPS000130
17426	53610	CDF104322	29488	65672	NME200260	41549	77733	YPS000131
17427	53611	CDF104332	29489	65673	NME200263	41550	77734	YPS000132
17428	53612	CDF104333	29490	65674	NME200265	41551	77735	YPS000135
17429	53613	CDF104338	29491	65675	NME200267	41552	77736	YPS000139
17430	53614	CDF104341	29492	65676	NME200270	41553	77737	YPS000146

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17431	53615	CDF104345	29493	65677	NME200271	41554	77738	YPS000147
17432	53616	CDF104368	29494	65678	NME200274	41555	77739	YPS000152
17433	53617	CDF104371	29495	65679	NME200276	41556	77740	YPS000155
17434	53618	CDF104379	29496	65680	NME200304	41557	77741	YPS000157
17435	53619	CDF104394	29497	65681	NME200305	41558	77742	YPS000160
17436	53620	CDF104406	29498	65682	NME200306	41559	77743	YPS000161
17437	53621	CDF104417	29499	65683	NME200308	41560	77744	YPS000162
17438	53622	CDF104423	29500	65684	NME200310	41561	77745	YPS000163
17439	53623	CDF104427	29501	65685	NME200318	41562	77746	YPS000164
17440	53624	CDF104436	29502	65686	NME200322	41563	77747	YPS000166
17441	53625	CDF104440	29503	65687	NME200324	41564	77748	YPS000169
17442	53626	CDF104477	29504	65688	NME200328	41565	77749	YPS000170
17443	53627	CDF104480	29505	65689	NME200331	41566	77750	YPS000171
17444	53628	CDF104494	29506	65690	NME200335	41567	77751	YPS000173
17445	53629	CDF104515	29507	65691	NME200337	41568	77752	YPS000177
17446	53630	CDF104542	29508	65692	NME200343	41569	77753	YPS000179
17447	53631	CDF104545	29509	65693	NME200347	41570	77754	YPS000180
17448	53632	CDF104551	29510	65694	NME200349	41571	77755	YPS000185
17449	53633	CDF104552	29511	65695	NME200352	41572	77756	YPS000188
17450	53634	CDF104553	29512	65696	NME200353	41573	77757	YPS000189
17451	53635	CDF104554	29513	65697	NME200364	41574	77758	YPS000193
17452	53636	CDF104561	29514	65698	NME200365	41575	77759	YPS000197
17453	53637	CDF104563	29515	65699	NME200366	41576	77760	YPS000205
17454	53638	CDF104582	29516	65700	NME200373	41577	77761	YPS000208
17455	53639	CDF104583	29517	65701	NME200375	41578	77762	YPS000210
17456	53640	CDP100001	29518	65702	NME200377	41579	77763	YPS000211
17457	53641	CDP100002	29519	65703	NME200389	41580	77764	YPS000215
17458	53642	CDP100003	29520	65704	NME200399	41581	77765	YPS000219
17459	53643	CDP100007	29521	65705	NME200412	41582	77766	YPS000221
17460	53644	CDP100008	29522	65706	NME200413	41583	77767	YPS000228
17461	53645	CDP100014	29523	65707	NME200415	41584	77768	YPS000233
17462	53646	CDP100016	29524	65708	NME200417	41585	77769	YPS000235
17463	53647	CDP100018	29525	65709	NME200420	41586	77770	YPS000240
17464	53648	CDP100020	29526	65710	NME200423	41587	77771	YPS000242
17465	53649	CDP100022	29527	65711	NME200426	41588	77772	YPS000246
17466	53650	CDP100024	29528	65712	NME200427	41589	77773	YPS000256
17467	53651	CDP100027	29529	65713	NME200429	41590	77774	YPS000263
17468	53652	CDP100028	29530	65714	NME200430	41591	77775	YPS000265
17469	53653	CDP100030	29531	65715	NME200440	41592	77776	YPS000266
17470	53654	CDP100031	29532	65716	NME200446	41593	77777	YPS000268
17471	53655	CDP100042	29533	65717	NME200455	41594	77778	YPS000270
17472	53656	CDP100045	29534	65718	NME200457	41595	77779	YPS000286
17473	53657	CDP100046	29535	65719	NME200459	41596	77780	YPS000319
17474	53658	CDP100047	29536	65720	NME200461	41597	77781	YPS000320
17475	53659	CDP100048	29537	65721	NME200463	41598	77782	YPS000331
17476	53660	CDP100049	29538	65722	NME200466	41599	77783	YPS000333
17477	53661	CDP100053	29539	65723	NME200467	41600	77784	YPS000334
17478	53662	CDP100056	29540	65724	NME200470	41601	77785	YPS000335
17479	53663	CDP100057	29541	65725	NME200471	41602	77786	YPS000338
17480	53664	CDP100062	29542	65726	NME200477	41603	77787	YPS000339
17481	53665	CDP100064	29543	65727	NME200478	41604	77788	YPS000343
17482	53666	CDP100068	29544	65728	NME200479	41605	77789	YPS000345
17483	53667	CDP100071	29545	65729	NME200480	41606	77790	YPS000346
17484	53668	CDP100074	29546	65730	NME200481	41607	77791	YPS000348
17485	53669	CDP100078	29547	65731	NME200485	41608	77792	YPS000350

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17486	53670	CDP100079	29548	65732	NME200487	41609	77793	YPS000357
17487	53671	CDP100080	29549	65733	NME200491	41610	77794	YPS000359
17488	53672	CDP100081	29550	65734	NME200494	41611	77795	YPS000365
17489	53673	CDP100085	29551	65735	NME200495	41612	77796	YPS000377
17490	53674	CDP100086	29552	65736	NME200496	41613	77797	YPS000392
17491	53675	CDP100087	29553	65737	NME200497	41614	77798	YPS000393
17492	53676	CDP100088	29554	65738	NME200499	41615	77799	YPS000400
17493	53677	CDP100089	29555	65739	NME200506	41616	77800	YPS000402
17494	53678	CDP100090	29556	65740	NME200508	41617	77801	YPS000405
17495	53679	CDP100092	29557	65741	NME200510	41618	77802	YPS000409
17496	53680	CDP100097	29558	65742	NME200511	41619	77803	YPS000424
17497	53681	CDP100102	29559	65743	NME200512	41620	77804	YPS000434
17498	53682	CDP100105	29560	65744	NME200513	41621	77805	YPS000441
17499	53683	CDP100108	29561	65745	NME200518	41622	77806	YPS000444
17500	53684	CDP100111	29562	65746	NME200532	41623	77807	YPS000446
17501	53685	CDP100114	29563	65747	NME200544	41624	77808	YPS000449
17502	53686	CDP100115	29564	65748	NME200545	41625	77809	YPS000460
17503	53687	CDP100121	29565	65749	NME200546	41626	77810	YPS000463
17504	53688	CDP100127	29566	65750	NME200552	41627	77811	YPS000466
17505	53689	CDP100129	29567	65751	NME200553	41628	77812	YPS000478
17506	53690	CDP100131	29568	65752	NME200555	41629	77813	YPS000483
17507	53691	CDP100135	29569	65753	NME200558	41630	77814	YPS000489
17508	53692	CDP100137	29570	65754	NME200564	41631	77815	YPS000491
17509	53693	CDP100142	29571	65755	NME200574	41632	77816	YPS000494
17510	53694	CDP100143	29572	65756	NME200576	41633	77817	YPS000496
17511	53695	CDP100145	29573	65757	NME200577	41634	77818	YPS000498
17512	53696	CDP100146	29574	65758	NME200578	41635	77819	YPS000499
17513	53697	CDP100148	29575	65759	NME200581	41636	77820	YPS000502
17514	53698	CDP100150	29576	65760	NME200585	41637	77821	YPS000504
17515	53699	CDP100163	29577	65761	NME200589	41638	77822	YPS000510
17516	53700	CDP100164	29578	65762	NME200590	41639	77823	YPS000522
17517	53701	CDP100166	29579	65763	NME200591	41640	77824	YPS000524
17518	53702	CDP100167	29580	65764	NME200593	41641	77825	YPS000538
17519	53703	CDP100169	29581	65765	NME200596	41642	77826	YPS000541
17520	53704	CDP100170	29582	65766	NME200606	41643	77827	YPS000561
17521	53705	CDP100172	29583	65767	NME200608	41644	77828	YPS000566
17522	53706	CDP100176	29584	65768	NME200611	41645	77829	YPS000578
17523	53707	CDP100180	29585	65769	NME200613	41646	77830	YPS000580
17524	53708	CDP100182	29586	65770	NME200616	41647	77831	YPS000583
17525	53709	CDP100186	29587	65771	NME200622	41648	77832	YPS000584
17526	53710	CDP100193	29588	65772	NME200634	41649	77833	YPS000586
17527	53711	CDP100194	29589	65773	NME200638	41650	77834	YPS000590
17528	53712	CDP100196	29590	65774	NME200649	41651	77835	YPS000599
17529	53713	CDP100199	29591	65775	NME200652	41652	77836	YPS000606
17530	53714	CDP100202	29592	65776	NME200654	41653	77837	YPS000610
17531	53715	CDP100203	29593	65777	NME200657	41654	77838	YPS000612
17532	53716	CDP100213	29594	65778	NME200659	41655	77839	YPS000618
17533	53717	CDP100215	29595	65779	NME200661	41656	77840	YPS000626
17534	53718	CDP100223	29596	65780	NME200667	41657	77841	YPS000639
17535	53719	CDP100224	29597	65781	NME200668	41658	77842	YPS000675
17536	53720	CDP100230	29598	65782	NME200672	41659	77843	YPS000678
17537	53721	CDP100231	29599	65783	NME200676	41660	77844	YPS000682
17538	53722	CDP100242	29600	65784	NME200678	41661	77845	YPS000694
17539	53723	CDP100250	29601	65785	NME200684	41662	77846	YPS000696
17540	53724	CDP100257	29602	65786	NME200699	41663	77847	YPS000703

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17541	53725	CDP100258	29603	65787	NME200701	41664	77848	YPS000704
17542	53726	CDP100260	29604	65788	NME200703	41665	77849	YPS000708
17543	53727	CDP100261	29605	65789	NME200704	41666	77850	YPS000723
17544	53728	CDP100262	29606	65790	NME200707	41667	77851	YPS000724
17545	53729	CDP100263	29607	65791	NME200717	41668	77852	YPS000729
17546	53730	CDP100265	29608	65792	NME200732	41669	77853	YPS000732
17547	53731	CDP100269	29609	65793	NME200733	41670	77854	YPS000756
17548	53732	CDP100271	29610	65794	NME200734	41671	77855	YPS000760
17549	53733	CDP100277	29611	65795	NME200735	41672	77856	YPS000765
17550	53734	CDP100278	29612	65796	NME200748	41673	77857	YPS000769
17551	53735	CDP100279	29613	65797	NME200754	41674	77858	YPS000770
17552	53736	CDP100280	29614	65798	NME200757	41675	77859	YPS000771
17553	53737	CDP100282	29615	65799	NME200762	41676	77860	YPS000773
17554	53738	CDP100284	29616	65800	NME200764	41677	77861	YPS000774
17555	53739	CDP100290	29617	65801	NME200769	41678	77862	YPS000776
17556	53740	CDP100293	29618	65802	NME200772	41679	77863	YPS000779
17557	53741	CDP100296	29619	65803	NME200777	41680	77864	YPS000781
17558	53742	CDP100305	29620	65804	NME200783	41681	77865	YPS000784
17559	53743	CDP100306	29621	65805	NME200784	41682	77866	YPS000787
17560	53744	CDP100308	29622	65806	NME200785	41683	77867	YPS000790
17561	53745	CDP100309	29623	65807	NME200795	41684	77868	YPS000792
17562	53746	CDP100313	29624	65808	NME200800	41685	77869	YPS000797
17563	53747	CDP100317	29625	65809	NME200804	41686	77870	YPS000805
17564	53748	CDP100325	29626	65810	NME200815	41687	77871	YPS000806
17565	53749	CDP100338	29627	65811	NME200819	41688	77872	YPS000809
17566	53750	CDP100339	29628	65812	NME200820	41689	77873	YPS000810
17567	53751	CDP100341	29629	65813	NME200821	41690	77874	YPS000815
17568	53752	CDP100348	29630	65814	NME200824	41691	77875	YPS000834
17569	53753	CDP100349	29631	65815	NME200834	41692	77876	YPS000836
17570	53754	CDP100352	29632	65816	NME200836	41693	77877	YPS000842
17571	53755	CDP100360	29633	65817	NME200837	41694	77878	YPS000843
17572	53756	CDP100362	29634	65818	NME200847	41695	77879	YPS000845
17573	53757	CDP100363	29635	65819	NME200849	41696	77880	YPS000846
17574	53758	CDP100365	29636	65820	NME200853	41697	77881	YPS000851
17575	53759	CDP100371	29637	65821	NME200854	41698	77882	YPS000855
17576	53760	CDP100373	29638	65822	NME200855	41699	77883	YPS000857
17577	53761	CDP100375	29639	65823	NME200856	41700	77884	YPS000861
17578	53762	CDP100378	29640	65824	NME200857	41701	77885	YPS000863
17579	53763	CDP100379	29641	65825	NME200858	41702	77886	YPS000864
17580	53764	CDP100382	29642	65826	NME200861	41703	77887	YPS000868
17581	53765	CDP100383	29643	65827	NME200866	41704	77888	YPS000870
17582	53766	CDP100385	29644	65828	NME200870	41705	77889	YPS000871
17583	53767	CDP100387	29645	65829	NME200871	41706	77890	YPS000872
17584	53768	CDP100388	29646	65830	NME200872	41707	77891	YPS000874
17585	53769	CDP100396	29647	65831	NME200873	41708	77892	YPS000890
17586	53770	CDP100399	29648	65832	NME200879	41709	77893	YPS000894
17587	53771	CDP100400	29649	65833	NME200881	41710	77894	YPS000900
17588	53772	CDP100404	29650	65834	NME200882	41711	77895	YPS000901
17589	53773	CDP100408	29651	65835	NME200887	41712	77896	YPS000907
17590	53774	CDP100409	29652	65836	NME200892	41713	77897	YPS000909
17591	53775	CDP100410	29653	65837	NME200893	41714	77898	YPS000920
17592	53776	CDP100414	29654	65838	NME200897	41715	77899	YPS000925
17593	53777	CDP100417	29655	65839	NME200899	41716	77900	YPS000930
17594	53778	CDP100418	29656	65840	NME200901	41717	77901	YPS000931
17595	53779	CDP100421	29657	65841	NME200903	41718	77902	YPS000933

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17596	53780	CDP100423	29658	65842	NME200905	41719	77903	YPS000934
17597	53781	CDP100424	29659	65843	NME200908	41720	77904	YPS000940
17598	53782	CDP100429	29660	65844	NME200915	41721	77905	YPS000941
17599	53783	CDP100432	29661	65845	NME200929	41722	77906	YPS000946
17600	53784	CDP100435	29662	65846	NME200933	41723	77907	YPS000947
17601	53785	CDP100440	29663	65847	NME200935	41724	77908	YPS000948
17602	53786	CDP100444	29664	65848	NME200939	41725	77909	YPS000950
17603	53787	CDP100447	29665	65849	NME200943	41726	77910	YPS000958
17604	53788	CDP100449	29666	65850	NME200946	41727	77911	YPS000964
17605	53789	CDP100453	29667	65851	NME200954	41728	77912	YPS000965
17606	53790	CDP100454	29668	65852	NME200956	41729	77913	YPS000969
17607	53791	CDP100459	29669	65853	NME200958	41730	77914	YPS000978
17608	53792	CDP100460	29670	65854	NME200960	41731	77915	YPS000986
17609	53793	CDP100474	29671	65855	NME200966	41732	77916	YPS000988
17610	53794	CDP100479	29672	65856	NME200968	41733	77917	YPS000992
17611	53795	CDP100481	29673	65857	NME200969	41734	77918	YPS000993
17612	53796	CDP100483	29674	65858	NME200972	41735	77919	YPS000994
17613	53797	CDP100485	29675	65859	NME200978	41736	77920	YPS000995
17614	53798	CDP100486	29676	65860	NME200980	41737	77921	YPS000997
17615	53799	CDP100488	29677	65861	NME200998	41738	77922	YPS001004
17616	53800	CDP100495	29678	65862	NME201002	41739	77923	YPS001009
17617	53801	CDP100497	29679	65863	NME201007	41740	77924	YPS001010
17618	53802	CDP100500	29680	65864	NME201008	41741	77925	YPS001012
17619	53803	CDP100504	29681	65865	NME201018	41742	77926	YPS001014
17620	53804	CDP100508	29682	65866	NME201026	41743	77927	YPS001016
17621	53805	CDP100511	29683	65867	NME201028	41744	77928	YPS001018
17622	53806	CDP100520	29684	65868	NME201034	41745	77929	YPS001020
17623	53807	CDP100521	29685	65869	NME201050	41746	77930	YPS001022
17624	53808	CDP100523	29686	65870	NME201051	41747	77931	YPS001023
17625	53809	CDP100533	29687	65871	NME201057	41748	77932	YPS001024
17626	53810	CDP100537	29688	65872	NME201059	41749	77933	YPS001037
17627	53811	CDP100538	29689	65873	NME201060	41750	77934	YPS001038
17628	53812	CDP100541	29690	65874	NME201061	41751	77935	YPS001047
17629	53813	CDP100542	29691	65875	NME201066	41752	77936	YPS001049
17630	53814	CDP100545	29692	65876	NME201071	41753	77937	YPS001051
17631	53815	CDP100549	29693	65877	NME201076	41754	77938	YPS001052
17632	53816	CDP100554	29694	65878	NME201088	41755	77939	YPS001055
17633	53817	CDP100571	29695	65879	NME201109	41756	77940	YPS001057
17634	53818	CDP100572	29696	65880	NME201125	41757	77941	YPS001063
17635	53819	CDP100580	29697	65881	NME201142	41758	77942	YPS001065
17636	53820	CDP100583	29698	65882	NME201144	41759	77943	YPS001066
17637	53821	CDP100585	29699	65883	NME201150	41760	77944	YPS001070
17638	53822	CDP100587	29700	65884	NME201153	41761	77945	YPS001074
17639	53823	CDP100588	29701	65885	NME201154	41762	77946	YPS001083
17640	53824	CDP100589	29702	65886	NME201155	41763	77947	YPS001085
17641	53825	CDP100600	29703	65887	NME201159	41764	77948	YPS001087
17642	53826	CDP100606	29704	65888	NME201160	41765	77949	YPS001090
17643	53827	CDP100607	29705	65889	NME201166	41766	77950	YPS001092
17644	53828	CDP100610	29706	65890	NME201171	41767	77951	YPS001094
17645	53829	CDP100612	29707	65891	NME201221	41768	77952	YPS001103
17646	53830	CDP100613	29708	65892	NME201227	41769	77953	YPS001104
17647	53831	CDP100617	29709	65893	NME201236	41770	77954	YPS001119
17648	53832	CDP100618	29710	65894	NME201237	41771	77955	YPS001121
17649	53833	CDP100619	29711	65895	NME201238	41772	77956	YPS001125
17650	53834	CDP100623	29712	65896	NME201239	41773	77957	YPS001127

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17651	53835	CDP100633	29713	65897	NME201245	41774	77958	YPS001128
17652	53836	CDP100635	29714	65898	NME201248	41775	77959	YPS001129
17653	53837	CDP100636	29715	65899	NME201254	41776	77960	YPS001131
17654	53838	CDP100638	29716	65900	NME201257	41777	77961	YPS001135
17655	53839	CDP100639	29717	65901	NME201261	41778	77962	YPS001136
17656	53840	CDP100640	29718	65902	NME201265	41779	77963	YPS001137
17657	53841	CDP100653	29719	65903	NME201276	41780	77964	YPS001140
17658	53842	CDP100654	29720	65904	NME201277	41781	77965	YPS001142
17659	53843	CDP100658	29721	65905	NME201279	41782	77966	YPS001147
17660	53844	CDP100666	29722	65906	NME201284	41783	77967	YPS001148
17661	53845	CDP100671	29723	65907	NME201287	41784	77968	YPS001151
17662	53846	CDP100672	29724	65908	NME201288	41785	77969	YPS001153
17663	53847	CDP100674	29725	65909	NME201292	41786	77970	YPS001155
17664	53848	CDP100675	29726	65910	NME201294	41787	77971	YPS001157
17665	53849	CDP100677	29727	65911	NME201296	41788	77972	YPS001160
17666	53850	CDP100684	29728	65912	NME201304	41789	77973	YPS001161
17667	53851	CDP100695	29729	65913	NME201305	41790	77974	YPS001169
17668	53852	CDP100699	29730	65914	NME201309	41791	77975	YPS001170
17669	53853	CDP100702	29731	65915	NME201311	41792	77976	YPS001173
17670	53854	CDP100703	29732	65916	NME201319	41793	77977	YPS001177
17671	53855	CDP100704	29733	65917	NME201321	41794	77978	YPS001180
17672	53856	CDP100706	29734	65918	NME201326	41795	77979	YPS001186
17673	53857	CDP100733	29735	65919	NME201332	41796	77980	YPS001188
17674	53858	CDP100735	29736	65920	NME201339	41797	77981	YPS001189
17675	53859	CDP100741	29737	65921	NME201346	41798	77982	YPS001192
17676	53860	CDP100744	29738	65922	NME201354	41799	77983	YPS001193
17677	53861	CDP100748	29739	65923	NME201357	41800	77984	YPS001199
17678	53862	CDP100750	29740	65924	NME201359	41801	77985	YPS001209
17679	53863	CDP100751	29741	65925	NME201361	41802	77986	YPS001211
17680	53864	CDP100752	29742	65926	NME201364	41803	77987	YPS001216
17681	53865	CDP100770	29743	65927	NME201367	41804	77988	YPS001221
17682	53866	CDP100772	29744	65928	NME201370	41805	77989	YPS001224
17683	53867	CDP100773	29745	65929	NME201373	41806	77990	YPS001225
17684	53868	CDP100774	29746	65930	NME201374	41807	77991	YPS001228
17685	53869	CDP100775	29747	65931	NME201375	41808	77992	YPS001229
17686	53870	CDP100776	29748	65932	NME201384	41809	77993	YPS001230
17687	53871	CDP100778	29749	65933	NME201387	41810	77994	YPS001237
17688	53872	CDP100780	29750	65934	NME201393	41811	77995	YPS001239
17689	53873	CDP100781	29751	65935	NME201394	41812	77996	YPS001244
17690	53874	CDP100782	29752	65936	NME201395	41813	77997	YPS001246
17691	53875	CDP100784	29753	65937	NME201396	41814	77998	YPS001247
17692	53876	CDP100789	29754	65938	NME201398	41815	77999	YPS001253
17693	53877	CDP100795	29755	65939	NME201410	41816	78000	YPS001257
17694	53878	CDP100799	29756	65940	NME201411	41817	78001	YPS001261
17695	53879	CDP100802	29757	65941	NME201412	41818	78002	YPS001262
17696	53880	CDP100805	29758	65942	NME201414	41819	78003	YPS001263
17697	53881	CDP100811	29759	65943	NME201415	41820	78004	YPS001274
17698	53882	CDP100814	29760	65944	NME201426	41821	78005	YPS001275
17699	53883	CDP100815	29761	65945	NME201427	41822	78006	YPS001277
17700	53884	CDP100817	29762	65946	NME201429	41823	78007	YPS001278
17701	53885	CDP100823	29763	65947	NME201430	41824	78008	YPS001281
17702	53886	CDP100825	29764	65948	NME201432	41825	78009	YPS001282
17703	53887	CDP100831	29765	65949	NME201434	41826	78010	YPS001285
17704	53888	CDP100836	29766	65950	NME201435	41827	78011	YPS001287
17705	53889	CDP100838	29767	65951	NME201436	41828	78012	YPS001307

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17706	53890	CDP100844	29768	65952	NME201438	41829	78013	YPS001314
17707	53891	CDP100846	29769	65953	NME201443	41830	78014	YPS001316
17708	53892	CDP100848	29770	65954	NME201444	41831	78015	YPS001318
17709	53893	CDP100850	29771	65955	NME201447	41832	78016	YPS001320
17710	53894	CDP100852	29772	65956	NME201451	41833	78017	YPS001321
17711	53895	CDP100853	29773	65957	NME201452	41834	78018	YPS001322
17712	53896	CDP100854	29774	65958	NME201455	41835	78019	YPS001324
17713	53897	CDP100855	29775	65959	NME201458	41836	78020	YPS001326
17714	53898	CDP100856	29776	65960	NME201465	41837	78021	YPS001335
17715	53899	CDP100861	29777	65961	NME201469	41838	78022	YPS001338
17716	53900	CDP100862	29778	65962	NME201478	41839	78023	YPS001340
17717	53901	CDP100866	29779	65963	NME201479	41840	78024	YPS001350
17718	53902	CDP100874	29780	65964	NME201487	41841	78025	YPS001354
17719	53903	CDP100876	29781	65965	NME201493	41842	78026	YPS001366
17720	53904	CDP100877	29782	65966	NME201494	41843	78027	YPS001373
17721	53905	CDP100879	29783	65967	NME201498	41844	78028	YPS001379
17722	53906	CDP100884	29784	65968	NME201499	41845	78029	YPS001380
17723	53907	CDP100886	29785	65969	NME201501	41846	78030	YPS001381
17724	53908	CDP100889	29786	65970	NME201508	41847	78031	YPS001391
17725	53909	CDP100903	29787	65971	NME201512	41848	78032	YPS001397
17726	53910	CDP100904	29788	65972	NME201515	41849	78033	YPS001400
17727	53911	CDP100907	29789	65973	NME201516	41850	78034	YPS001402
17728	53912	CDP100910	29790	65974	NME201517	41851	78035	YPS001404
17729	53913	CDP100912	29791	65975	NME201518	41852	78036	YPS001406
17730	53914	CDP100913	29792	65976	NME201519	41853	78037	YPS001414
17731	53915	CDP100914	29793	65977	NME201520	41854	78038	YPS001416
17732	53916	CDP100915	29794	65978	NME201526	41855	78039	YPS001422
17733	53917	CDP100920	29795	65979	NME201529	41856	78040	YPS001429
17734	53918	CDP100921	29796	65980	NME201532	41857	78041	YPS001431
17735	53919	CDP100932	29797	65981	NME201541	41858	78042	YPS001438
17736	53920	CDP100933	29798	65982	NME201542	41859	78043	YPS001448
17737	53921	CDP100938	29799	65983	NME201548	41860	78044	YPS001450
17738	53922	CDP100939	29800	65984	NME201555	41861	78045	YPS001453
17739	53923	CDP100940	29801	65985	NME201558	41862	78046	YPS001456
17740	53924	CDP100947	29802	65986	NME201560	41863	78047	YPS001461
17741	53925	CDP100957	29803	65987	NME201565	41864	78048	YPS001466
17742	53926	CDP100963	29804	65988	NME201566	41865	78049	YPS001475
17743	53927	CDP100967	29805	65989	NME201568	41866	78050	YPS001481
17744	53928	CDP100969	29806	65990	NME201571	41867	78051	YPS001482
17745	53929	CDP100970	29807	65991	NME201572	41868	78052	YPS001486
17746	53930	CDP100971	29808	65992	NME201584	41869	78053	YPS001489
17747	53931	CDP100973	29809	65993	NME201585	41870	78054	YPS001508
17748	53932	CDP100976	29810	65994	NME201587	41871	78055	YPS001510
17749	53933	CDP100979	29811	65995	NME201594	41872	78056	YPS001517
17750	53934	CDP100984	29812	65996	NME201595	41873	78057	YPS001519
17751	53935	CDP100986	29813	65997	NME201596	41874	78058	YPS001521
17752	53936	CDP100987	29814	65998	NME201597	41875	78059	YPS001525
17753	53937	CDP100988	29815	65999	NME201599	41876	78060	YPS001526
17754	53938	CDP100996	29816	66000	NME201600	41877	78061	YPS001527
17755	53939	CDP100997	29817	66001	NME201601	41878	78062	YPS001530
17756	53940	CDP101004	29818	66002	NME201603	41879	78063	YPS001531
17757	53941	CDP101007	29819	66003	NME201605	41880	78064	YPS001534
17758	53942	CDP101008	29820	66004	NME201607	41881	78065	YPS001546
17759	53943	CDP101009	29821	66005	NME201609	41882	78066	YPS001548
17760	53944	CDP101012	29822	66006	NME201616	41883	78067	YPS001553

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17761	53945	CDP101013	29823	66007	NME201617	41884	78068	YPS001556
17762	53946	CDP101017	29824	66008	NME201620	41885	78069	YPS001561
17763	53947	CDP101021	29825	66009	NME201622	41886	78070	YPS001562
17764	53948	CDP101023	29826	66010	NME201624	41887	78071	YPS001563
17765	53949	CDP101025	29827	66011	NME201625	41888	78072	YPS001564
17766	53950	CDP101026	29828	66012	NME201627	41889	78073	YPS001566
17767	53951	CDP101033	29829	66013	NME201634	41890	78074	YPS001567
17768	53952	CDP101034	29830	66014	NME201635	41891	78075	YPS001568
17769	53953	CDP101043	29831	66015	NME201638	41892	78076	YPS001577
17770	53954	CDP101052	29832	66016	NME201642	41893	78077	YPS001578
17771	53955	CDP101053	29833	66017	NME201646	41894	78078	YPS001580
17772	53956	CDP101055	29834	66018	NME201654	41895	78079	YPS001582
17773	53957	CDP101057	29835	66019	NME201659	41896	78080	YPS001584
17774	53958	CDP101061	29836	66020	NME201667	41897	78081	YPS001591
17775	53959	CDP101063	29837	66021	NME201668	41898	78082	YPS001594
17776	53960	CDP101064	29838	66022	NME201669	41899	78083	YPS001597
17777	53961	CDP101065	29839	66023	NME201722	41900	78084	YPS001600
17778	53962	CDP101075	29840	66024	NME201743	41901	78085	YPS001602
17779	53963	CDP101084	29841	66025	NME201747	41902	78086	YPS001603
17780	53964	CDP101088	29842	66026	NME201748	41903	78087	YPS001606
17781	53965	CDP101089	29843	66027	NME201751	41904	78088	YPS001608
17782	53966	CDP101090	29844	66028	NME201757	41905	78089	YPS001609
17783	53967	CDP101095	29845	66029	NME201768	41906	78090	YPS001617
17784	53968	CDP101096	29846	66030	NME201774	41907	78091	YPS001621
17785	53969	CDP101104	29847	66031	NME201781	41908	78092	YPS001623
17786	53970	CDP101112	29848	66032	NME201783	41909	78093	YPS001628
17787	53971	CDP101113	29849	66033	NME201788	41910	78094	YPS001640
17788	53972	CDP101114	29850	66034	NME201790	41911	78095	YPS001655
17789	53973	CDP101115	29851	66035	NME201792	41912	78096	YPS001659
17790	53974	CDP101117	29852	66036	NME201794	41913	78097	YPS001664
17791	53975	CDP101120	29853	66037	NME201798	41914	78098	YPS001667
17792	53976	CDP101127	29854	66038	NME201799	41915	78099	YPS001671
17793	53977	CDP101132	29855	66039	NME201800	41916	78100	YPS001674
17794	53978	CDP101133	29856	66040	NME201812	41917	78101	YPS001677
17795	53979	CDP101134	29857	66041	NME201813	41918	78102	YPS001684
17796	53980	CDP101135	29858	66042	NME201814	41919	78103	YPS001686
17797	53981	CDP101138	29859	66043	NME201818	41920	78104	YPS001711
17798	53982	CDP101144	29860	66044	NME201822	41921	78105	YPS001716
17799	53983	CDP101146	29861	66045	NME201828	41922	78106	YPS001717
17800	53984	CDP101148	29862	66046	NME201839	41923	78107	YPS001725
17801	53985	CDP101150	29863	66047	NME201859	41924	78108	YPS001737
17802	53986	CDP101153	29864	66048	NME201862	41925	78109	YPS001740
17803	53987	CDP101154	29865	66049	NME201865	41926	78110	YPS001743
17804	53988	CDP101155	29866	66050	NME201868	41927	78111	YPS001746
17805	53989	CDP101160	29867	66051	NME201872	41928	78112	YPS001748
17806	53990	CDP101162	29868	66052	NME201874	41929	78113	YPS001750
17807	53991	CDP101163	29869	66053	NME201879	41930	78114	YPS001759
17808	53992	CDP101168	29870	66054	NME201886	41931	78115	YPS001761
17809	53993	CDP101169	29871	66055	NME201898	41932	78116	YPS001763
17810	53994	CDP101170	29872	66056	NME201901	41933	78117	YPS001764
17811	53995	CDP101174	29873	66057	NME201902	41934	78118	YPS001766
17812	53996	CDP101177	29874	66058	NME201903	41935	78119	YPS001789
17813	53997	CDP101180	29875	66059	NME201904	41936	78120	YPS001792
17814	53998	CDP101183	29876	66060	NME201905	41937	78121	YPS001797
17815	53999	CDP101191	29877	66061	NME201906	41938	78122	YPS001804

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17816	54000	CDP101196	29878	66062	NME201907	41939	78123	YPS001806
17817	54001	CDP101216	29879	66063	NME201908	41940	78124	YPS001811
17818	54002	CDP101218	29880	66064	NME201910	41941	78125	YPS001820
17819	54003	CDP101220	29881	66065	NME201912	41942	78126	YPS001825
17820	54004	CDP101222	29882	66066	NME201913	41943	78127	YPS001830
17821	54005	CDP101225	29883	66067	NME201914	41944	78128	YPS001843
17822	54006	CDP101232	29884	66068	NME201916	41945	78129	YPS001846
17823	54007	CDP101233	29885	66069	NME201917	41946	78130	YPS001848
17824	54008	CDP101237	29886	66070	NME201928	41947	78131	YPS001851
17825	54009	CDP101238	29887	66071	NME201936	41948	78132	YPS001853
17826	54010	CDP101246	29888	66072	NME201942	41949	78133	YPS001855
17827	54011	CDP101247	29889	66073	NME201944	41950	78134	YPS001858
17828	54012	CDP101250	29890	66074	NME201949	41951	78135	YPS001861
17829	54013	CDP101251	29891	66075	NME201965	41952	78136	YPS001862
17830	54014	CDP101252	29892	66076	NME201966	41953	78137	YPS001863
17831	54015	CDP101254	29893	66077	NME201967	41954	78138	YPS001864
17832	54016	CDP101255	29894	66078	NME201973	41955	78139	YPS001865
17833	54017	CDP101257	29895	66079	NME201975	41956	78140	YPS001866
17834	54018	CDP101259	29896	66080	NME201976	41957	78141	YPS001867
17835	54019	CDP101264	29897	66081	NME201982	41958	78142	YPS001868
17836	54020	CDP101266	29898	66082	NME201984	41959	78143	YPS001873
17837	54021	CDP101267	29899	66083	NME201988	41960	78144	YPS001875
17838	54022	CDP101268	29900	66084	NME201989	41961	78145	YPS001876
17839	54023	CDP101270	29901	66085	NME201990	41962	78146	YPS001880
17840	54024	CDP101273	29902	66086	NME201998	41963	78147	YPS001881
17841	54025	CDP101276	29903	66087	NME201999	41964	78148	YPS001888
17842	54026	CDP101278	29904	66088	NME202000	41965	78149	YPS001891
17843	54027	CDP101279	29905	66089	NME202001	41966	78150	YPS001892
17844	54028	CDP101281	29906	66090	NME202002	41967	78151	YPS001897
17845	54029	CDP101282	29907	66091	NME202003	41968	78152	YPS001899
17846	54030	CDP101283	29908	66092	NME202008	41969	78153	YPS001906
17847	54031	CDP101284	29909	66093	NME202012	41970	78154	YPS001910
17848	54032	CDP101285	29910	66094	NME202016	41971	78155	YPS001917
17849	54033	CDP101286	29911	66095	NME202025	41972	78156	YPS001925
17850	54034	CDP101289	29912	66096	NME202026	41973	78157	YPS001944
17851	54035	CDP101293	29913	66097	NME202037	41974	78158	YPS001961
17852	54036	CDP101294	29914	66098	NME202038	41975	78159	YPS001962
17853	54037	CDP101308	29915	66099	NME202039	41976	78160	YPS001963
17854	54038	CDP101311	29916	66100	NME202045	41977	78161	YPS001964
17855	54039	CDP101315	29917	66101	NME202047	41978	78162	YPS001965
17856	54040	CDP101322	29918	66102	NME202048	41979	78163	YPS001978
17857	54041	CDP101325	29919	66103	NME202051	41980	78164	YPS001980
17858	54042	CDP101333	29920	66104	NME202053	41981	78165	YPS001982
17859	54043	CDP101347	29921	66105	NME202061	41982	78166	YPS001985
17860	54044	CDP101353	29922	66106	NME300318	41983	78167	YPS001991
17861	54045	CDP101373	29923	66107	NME300340	41984	78168	YPS001992
17862	54046	CDP101376	29924	66108	NME300455	41985	78169	YPS001994
17863	54047	CDP101383	29925	66109	NME300542	41986	78170	YPS001996
17864	54048	CDP101400	29926	66110	NME300608	41987	78171	YPS002002
17865	54049	CDP101406	29927	66111	NME300783	41988	78172	YPS002005
17866	54050	CDP101412	29928	66112	NME300873	41989	78173	YPS002007
17867	54051	CDP101414	29929	66113	NME300906	41990	78174	YPS002011
17868	54052	CDP101416	29930	66114	NME301036	41991	78175	YPS002012
17869	54053	CDP101417	29931	66115	NME301139	41992	78176	YPS002016
17870	54054	CDP101419	29932	66116	NME301279	41993	78177	YPS002018

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17871	54055	CDP101420	29933	66117	NME301308	41994	78178	YPS002027
17872	54056	CDP101422	29934	66118	NME301326	41995	78179	YPS002032
17873	54057	CDP101424	29935	66119	NME301505	41996	78180	YPS002035
17874	54058	CDP101428	29936	66120	NME301637	41997	78181	YPS002040
17875	54059	CDP101430	29937	66121	NME301662	41998	78182	YPS002049
17876	54060	CDP101431	29938	66122	NME301805	41999	78183	YPS002052
17877	54061	CDP101447	29939	66123	NME301914	42000	78184	YPS002057
17878	54062	CDP101454	29940	66124	PAE100175	42001	78185	YPS002059
17879	54063	CDP101455	29941	66125	PAE100476	42002	78186	YPS002062
17880	54064	CDP101457	29942	66126	PAE100477	42003	78187	YPS002064
17881	54065	CDP101458	29943	66127	PAE102229	42004	78188	YPS002067
17882	54066	CDP101464	29944	66128	PAE105948	42005	78189	YPS002068
17883	54067	CDP101465	29945	66129	PAE106765	42006	78190	YPS002074
17884	54068	CDP101466	29946	66130	PAE107208	42007	78191	YPS002077
17885	54069	CDP101469	29947	66131	PAE107214	42008	78192	YPS002089
17886	54070	CDP101470	29948	66132	PAE107444	42009	78193	YPS002091
17887	54071	CDP101471	29949	66133	PAE108407	42010	78194	YPS002092
17888	54072	CDP101476	29950	66134	PAE109042	42011	78195	YPS002093
17889	54073	CDP101483	29951	66135	PAE109842	42012	78196	YPS002105
17890	54074	CDP101484	29952	66136	PAE109984	42013	78197	YPS002108
17891	54075	CDP101486	29953	66137	PAE110961	42014	78198	YPS002116
17892	54076	CDP101490	29954	66138	PAE110993	42015	78199	YPS002118
17893	54077	CDP101491	29955	66139	PAE111475	42016	78200	YPS002121
17894	54078	CDP101493	29956	66140	PAE111567	42017	78201	YPS002123
17895	54079	CDP101495	29957	66141	PAE111649	42018	78202	YPS002128
17896	54080	CDP101500	29958	66142	PAE111701	42019	78203	YPS002136
17897	54081	CDP101502	29959	66143	PAE111918	42020	78204	YPS002137
17898	54082	CDP101508	29960	66144	PAE200001	42021	78205	YPS002142
17899	54083	CDP101511	29961	66145	PAE200002	42022	78206	YPS002147
17900	54084	CDP101514	29962	66146	PAE200004	42023	78207	YPS002148
17901	54085	CDP101519	29963	66147	PAE200005	42024	78208	YPS002149
17902	54086	CDP101521	29964	66148	PAE200009	42025	78209	YPS002150
17903	54087	CDP101523	29965	66149	PAE200013	42026	78210	YPS002162
17904	54088	CDP101532	29966	66150	PAE200017	42027	78211	YPS002165
17905	54089	CDP101536	29967	66151	PAE200036	42028	78212	YPS002174
17906	54090	CDP101537	29968	66152	PAE200074	42029	78213	YPS002176
17907	54091	CDP101544	29969	66153	PAE200094	42030	78214	YPS002180
17908	54092	CDP101551	29970	66154	PAE200139	42031	78215	YPS002190
17909	54093	CDP101553	29971	66155	PAE200152	42032	78216	YPS002201
17910	54094	CDP101556	29972	66156	PAE200177	42033	78217	YPS002204
17911	54095	CDP101560	29973	66157	PAE200196	42034	78218	YPS002207
17912	54096	CDP101562	29974	66158	PAE200235	42035	78219	YPS002210
17913	54097	CDP101563	29975	66159	PAE200243	42036	78220	YPS002228
17914	54098	CDP101565	29976	66160	PAE200245	42037	78221	YPS002232
17915	54099	CDP101567	29977	66161	PAE200317	42038	78222	YPS002234
17916	54100	CDP101570	29978	66162	PAE200326	42039	78223	YPS002248
17917	54101	CDP101572	29979	66163	PAE200341	42040	78224	YPS002249
17918	54102	CDP101573	29980	66164	PAE200349	42041	78225	YPS002254
17919	54103	CDP101575	29981	66165	PAE200353	42042	78226	YPS002256
17920	54104	CDP101577	29982	66166	PAE200356	42043	78227	YPS002263
17921	54105	CDP101578	29983	66167	PAE200361	42044	78228	YPS002265
17922	54106	CDP101579	29984	66168	PAE200371	42045	78229	YPS002267
17923	54107	CDP101580	29985	66169	PAE200380	42046	78230	YPS002273
17924	54108	CDP101582	29986	66170	PAE200386	42047	78231	YPS002274
17925	54109	CDP101585	29987	66171	PAE200393	42048	78232	YPS002276

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17926	54110	CDP101606	29988	66172	PAE200394	42049	78233	YPS002279
17927	54111	CDP101612	29989	66173	PAE200403	42050	78234	YPS002281
17928	54112	CDP101613	29990	66174	PAE200410	42051	78235	YPS002288
17929	54113	CDP101614	29991	66175	PAE200419	42052	78236	YPS002289
17930	54114	CDP101615	29992	66176	PAE200420	42053	78237	YPS002291
17931	54115	CDP101620	29993	66177	PAE200454	42054	78238	YPS002292
17932	54116	CDP101627	29994	66178	PAE200458	42055	78239	YPS002296
17933	54117	CDP101629	29995	66179	PAE200464	42056	78240	YPS002300
17934	54118	CDP101634	29996	66180	PAE200466	42057	78241	YPS002303
17935	54119	CDP101635	29997	66181	PAE200475	42058	78242	YPS002304
17936	54120	CDP101641	29998	66182	PAE200499	42059	78243	YPS002308
17937	54121	CDP101644	29999	66183	PAE200500	42060	78244	YPS002312
17938	54122	CDP101649	30000	66184	PAE200510	42061	78245	YPS002313
17939	54123	CDP101650	30001	66185	PAE200515	42062	78246	YPS002325
17940	54124	CDP101653	30002	66186	PAE200518	42063	78247	YPS002330
17941	54125	CDP101654	30003	66187	PAE200524	42064	78248	YPS002349
17942	54126	CDP101656	30004	66188	PAE200535	42065	78249	YPS002354
17943	54127	CDP101660	30005	66189	PAE200541	42066	78250	YPS002374
17944	54128	CDP101662	30006	66190	PAE200542	42067	78251	YPS002375
17945	54129	CDP101663	30007	66191	PAE200544	42068	78252	YPS002383
17946	54130	CDP101664	30008	66192	PAE200545	42069	78253	YPS002391
17947	54131	CDP101667	30009	66193	PAE200551	42070	78254	YPS002393
17948	54132	CDP101676	30010	66194	PAE200554	42071	78255	YPS002400
17949	54133	CDP101678	30011	66195	PAE200558	42072	78256	YPS002401
17950	54134	CDP101680	30012	66196	PAE200575	42073	78257	YPS002407
17951	54135	CDP101683	30013	66197	PAE200576	42074	78258	YPS002413
17952	54136	CDP101687	30014	66198	PAE200577	42075	78259	YPS002425
17953	54137	CDP101688	30015	66199	PAE200578	42076	78260	YPS002427
17954	54138	CDP101689	30016	66200	PAE200579	42077	78261	YPS002431
17955	54139	CDP101690	30017	66201	PAE200580	42078	78262	YPS002439
17956	54140	CDP101702	30018	66202	PAE200583	42079	78263	YPS002442
17957	54141	CDP101706	30019	66203	PAE200585	42080	78264	YPS002443
17958	54142	CDP101707	30020	66204	PAE200586	42081	78265	YPS002444
17959	54143	CDP101711	30021	66205	PAE200591	42082	78266	YPS002447
17960	54144	CDP101712	30022	66206	PAE200650	42083	78267	YPS002449
17961	54145	CDP101713	30023	66207	PAE200704	42084	78268	YPS002450
17962	54146	CDP101714	30024	66208	PAE200732	42085	78269	YPS002451
17963	54147	CDP101719	30025	66209	PAE200758	42086	78270	YPS002452
17964	54148	CDP101722	30026	66210	PAE200759	42087	78271	YPS002453
17965	54149	CDP101725	30027	66211	PAE200765	42088	78272	YPS002454
17966	54150	CDP101728	30028	66212	PAE200767	42089	78273	YPS002455
17967	54151	CDP101730	30029	66213	PAE200770	42090	78274	YPS002467
17968	54152	CDP101732	30030	66214	PAE200794	42091	78275	YPS002471
17969	54153	CDP101743	30031	66215	PAE200796	42092	78276	YPS002475
17970	54154	CDP101746	30032	66216	PAE200818	42093	78277	YPS002478
17971	54155	CDP101757	30033	66217	PAE200834	42094	78278	YPS002481
17972	54156	CDP101864	30034	66218	PAE200841	42095	78279	YPS002482
17973	54157	CDP101886	30035	66219	PAE200857	42096	78280	YPS002485
17974	54158	CDP101898	30036	66220	PAE200882	42097	78281	YPS002488
17975	54159	CDP101905	30037	66221	PAE200883	42098	78282	YPS002490
17976	54160	CDP101960	30038	66222	PAE200894	42099	78283	YPS002491
17977	54161	CDP101961	30039	66223	PAE200897	42100	78284	YPS002492
17978	54162	CDP101982	30040	66224	PAE200900	42101	78285	YPS002493
17979	54163	CDP101991	30041	66225	PAE200902	42102	78286	YPS002494
17980	54164	CDP102004	30042	66226	PAE200903	42103	78287	YPS002502

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
17981	54165	CDP102030	30043	66227	PAE200904	42104	78288	YPS002504
17982	54166	CDP102039	30044	66228	PAE200912	42105	78289	YPS002505
17983	54167	CDP102065	30045	66229	PAE200915	42106	78290	YPS002509
17984	54168	CDP102071	30046	66230	PAE200916	42107	78291	YPS002513
17985	54169	CDP102152	30047	66231	PAE200934	42108	78292	YPS002514
17986	54170	CDP102158	30048	66232	PAE200936	42109	78293	YPS002520
17987	54171	CDP102191	30049	66233	PAE200954	42110	78294	YPS002522
17988	54172	CDP102193	30050	66234	PAE200955	42111	78295	YPS002524
17989	54173	CDP102359	30051	66235	PAE200961	42112	78296	YPS002528
17990	54174	CDP102360	30052	66236	PAE200962	42113	78297	YPS002530
17991	54175	CDP102364	30053	66237	PAE200970	42114	78298	YPS002535
17992	54176	CDP102415	30054	66238	PAE200973	42115	78299	YPS002537
17993	54177	CDP102420	30055	66239	PAE200993	42116	78300	YPS002538
17994	54178	CDP102437	30056	66240	PAE200994	42117	78301	YPS002545
17995	54179	CDP102441	30057	66241	PAE201013	42118	78302	YPS002550
17996	54180	CDP102443	30058	66242	PAE201038	42119	78303	YPS002552
17997	54181	CDP102452	30059	66243	PAE201053	42120	78304	YPS002556
17998	54182	CDP102491	30060	66244	PAE201072	42121	78305	YPS002558
17999	54183	CDP102540	30061	66245	PAE201078	42122	78306	YPS002559
18000	54184	CDP102558	30062	66246	PAE201090	42123	78307	YPS002560
18001	54185	CDP102565	30063	66247	PAE201097	42124	78308	YPS002575
18002	54186	CDP102587	30064	66248	PAE201126	42125	78309	YPS002580
18003	54187	CDP102624	30065	66249	PAE201128	42126	78310	YPS002584
18004	54188	CDP102654	30066	66250	PAE201134	42127	78311	YPS002586
18005	54189	CDP102662	30067	66251	PAE201149	42128	78312	YPS002593
18006	54190	CDP102682	30068	66252	PAE201154	42129	78313	YPS002596
18007	54191	CDP102780	30069	66253	PAE201155	42130	78314	YPS002598
18008	54192	CDP102797	30070	66254	PAE201156	42131	78315	YPS002602
18009	54193	CDP102826	30071	66255	PAE201167	42132	78316	YPS002604
18010	54194	CDP102843	30072	66256	PAE201179	42133	78317	YPS002608
18011	54195	CDP102875	30073	66257	PAE201182	42134	78318	YPS002613
18012	54196	CDP102895	30074	66258	PAE201193	42135	78319	YPS002615
18013	54197	CDP102947	30075	66259	PAE201211	42136	78320	YPS002618
18014	54198	CDP102949	30076	66260	PAE201229	42137	78321	YPS002619
18015	54199	CDP102956	30077	66261	PAE201251	42138	78322	YPS002621
18016	54200	CDP102962	30078	66262	PAE201276	42139	78323	YPS002625
18017	54201	CDP103271	30079	66263	PAE201279	42140	78324	YPS002639
18018	54202	CJU100001	30080	66264	PAE201287	42141	78325	YPS002641
18019	54203	CJU100002	30081	66265	PAE201294	42142	78326	YPS002643
18020	54204	CJU100003	30082	66266	PAE201297	42143	78327	YPS002651
18021	54205	CJU100007	30083	66267	PAE201302	42144	78328	YPS002665
18022	54206	CJU100009	30084	66268	PAE201309	42145	78329	YPS002667
18023	54207	CJU100010	30085	66269	PAE201315	42146	78330	YPS002670
18024	54208	CJU100013	30086	66270	PAE201316	42147	78331	YPS002673
18025	54209	CJU100021	30087	66271	PAE201317	42148	78332	YPS002675
18026	54210	CJU100023	30088	66272	PAE201337	42149	78333	YPS002684
18027	54211	CJU100024	30089	66273	PAE201341	42150	78334	YPS002690
18028	54212	CJU100027	30090	66274	PAE201365	42151	78335	YPS002693
18029	54213	CJU100028	30091	66275	PAE201374	42152	78336	YPS002695
18030	54214	CJU100035	30092	66276	PAE201382	42153	78337	YPS002721
18031	54215	CJU100039	30093	66277	PAE201385	42154	78338	YPS002733
18032	54216	CJU100041	30094	66278	PAE201392	42155	78339	YPS002734
18033	54217	CJU100042	30095	66279	PAE201420	42156	78340	YPS002735
18034	54218	CJU100045	30096	66280	PAE201432	42157	78341	YPS002741
18035	54219	CJU100046	30097	66281	PAE201448	42158	78342	YPS002753

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
18036	54220	CJU100047	30098	66282	PAE201450	42159	78343	YPS002755
18037	54221	CJU100058	30099	66283	PAE201455	42160	78344	YPS002768
18038	54222	CJU100060	30100	66284	PAE201456	42161	78345	YPS002772
18039	54223	CJU100066	30101	66285	PAE201475	42162	78346	YPS002774
18040	54224	CJU100072	30102	66286	PAE201490	42163	78347	YPS002776
18041	54225	CJU100083	30103	66287	PAE201495	42164	78348	YPS002778
18042	54226	CJU100084	30104	66288	PAE201497	42165	78349	YPS002784
18043	54227	CJU100085	30105	66289	PAE201499	42166	78350	YPS002785
18044	54228	CJU100089	30106	66290	PAE201500	42167	78351	YPS002788
18045	54229	CJU100091	30107	66291	PAE201504	42168	78352	YPS002793
18046	54230	CJU100094	30108	66292	PAE201520	42169	78353	YPS002805
18047	54231	CJU100103	30109	66293	PAE201522	42170	78354	YPS002809
18048	54232	CJU100105	30110	66294	PAE201526	42171	78355	YPS002811
18049	54233	CJU100106	30111	66295	PAE201527	42172	78356	YPS002814
18050	54234	CJU100112	30112	66296	PAE201528	42173	78357	YPS002815
18051	54235	CJU100114	30113	66297	PAE201531	42174	78358	YPS002837
18052	54236	CJU100115	30114	66298	PAE201532	42175	78359	YPS002852
18053	54237	CJU100116	30115	66299	PAE201533	42176	78360	YPS002860
18054	54238	CJU100121	30116	66300	PAE201553	42177	78361	YPS002861
18055	54239	CJU100123	30117	66301	PAE201575	42178	78362	YPS002874
18056	54240	CJU100125	30118	66302	PAE201579	42179	78363	YPS002878
18057	54241	CJU100139	30119	66303	PAE201582	42180	78364	YPS002886
18058	54242	CJU100143	30120	66304	PAE201584	42181	78365	YPS002899
18059	54243	CJU100144	30121	66305	PAE201586	42182	78366	YPS002910
18060	54244	CJU100145	30122	66306	PAE201588	42183	78367	YPS002920
18061	54245	CJU100148	30123	66307	PAE201595	42184	78368	YPS002921
18062	54246	CJU100150	30124	66308	PAE201613	42185	78369	YPS002930
18063	54247	CJU100163	30125	66309	PAE201624	42186	78370	YPS002939
18064	54248	CJU100171	30126	66310	PAE201627	42187	78371	YPS002942
18065	54249	CJU100185	30127	66311	PAE201642	42188	78372	YPS002946
18066	54250	CJU100186	30128	66312	PAE201648	42189	78373	YPS002950
18067	54251	CJU100189	30129	66313	PAE201652	42190	78374	YPS002953
18068	54252	CJU100192	30130	66314	PAE201680	42191	78375	YPS002957
18069	54253	CJU100194	30131	66315	PAE201688	42192	78376	YPS002958
18070	54254	CJU100195	30132	66316	PAE201706	42193	78377	YPS002961
18071	54255	CJU100200	30133	66317	PAE201725	42194	78378	YPS002962
18072	54256	CJU100202	30134	66318	PAE201737	42195	78379	YPS002977
18073	54257	CJU100203	30135	66319	PAE201757	42196	78380	YPS002982
18074	54258	CJU100204	30136	66320	PAE201768	42197	78381	YPS002986
18075	54259	CJU100206	30137	66321	PAE201778	42198	78382	YPS002988
18076	54260	CJU100207	30138	66322	PAE201779	42199	78383	YPS002993
18077	54261	CJU100211	30139	66323	PAE201780	42200	78384	YPS002994
18078	54262	CJU100212	30140	66324	PAE201786	42201	78385	YPS002998
18079	54263	CJU100214	30141	66325	PAE201793	42202	78386	YPS002999
18080	54264	CJU100216	30142	66326	PAE201794	42203	78387	YPS003004
18081	54265	CJU100217	30143	66327	PAE201801	42204	78388	YPS003015
18082	54266	CJU100229	30144	66328	PAE201802	42205	78389	YPS003019
18083	54267	CJU100231	30145	66329	PAE201803	42206	78390	YPS003024
18084	54268	CJU100241	30146	66330	PAE201805	42207	78391	YPS003031
18085	54269	CJU100245	30147	66331	PAE201806	42208	78392	YPS003038
18086	54270	CJU100247	30148	66332	PAE201809	42209	78393	YPS003045
18087	54271	CJU100248	30149	66333	PAE201842	42210	78394	YPS003046
18088	54272	CJU100250	30150	66334	PAE201860	42211	78395	YPS003054
18089	54273	CJU100252	30151	66335	PAE201873	42212	78396	YPS003055
18090	54274	CJU100254	30152	66336	PAE201895	42213	78397	YPS003058

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
18091	54275	CJU100259	30153	66337	PAE201901	42214	78398	YPS003061
18092	54276	CJU100267	30154	66338	PAE201944	42215	78399	YPS003064
18093	54277	CJU100272	30155	66339	PAE201946	42216	78400	YPS003067
18094	54278	CJU100275	30156	66340	PAE201982	42217	78401	YPS003070
18095	54279	CJU100276	30157	66341	PAE201989	42218	78402	YPS003072
18096	54280	CJU100280	30158	66342	PAE201999	42219	78403	YPS003073
18097	54281	CJU100288	30159	66343	PAE202021	42220	78404	YPS003083
18098	54282	CJU100290	30160	66344	PAE202023	42221	78405	YPS003101
18099	54283	CJU100293	30161	66345	PAE202056	42222	78406	YPS003104
18100	54284	CJU100294	30162	66346	PAE202061	42223	78407	YPS003105
18101	54285	CJU100297	30163	66347	PAE202069	42224	78408	YPS003109
18102	54286	CJU100303	30164	66348	PAE202082	42225	78409	YPS003112
18103	54287	CJU100304	30165	66349	PAE202089	42226	78410	YPS003114
18104	54288	CJU100307	30166	66350	PAE202094	42227	78411	YPS003120
18105	54289	CJU100309	30167	66351	PAE202106	42228	78412	YPS003121
18106	54290	CJU100311	30168	66352	PAE202110	42229	78413	YPS003123
18107	54291	CJU100315	30169	66353	PAE202112	42230	78414	YPS003126
18108	54292	CJU100317	30170	66354	PAE202130	42231	78415	YPS003127
18109	54293	CJU100323	30171	66355	PAE202140	42232	78416	YPS003128
18110	54294	CJU100326	30172	66356	PAE202150	42233	78417	YPS003130
18111	54295	CJU100328	30173	66357	PAE202177	42234	78418	YPS003132
18112	54296	CJU100334	30174	66358	PAE202198	42235	78419	YPS003133
18113	54297	CJU100335	30175	66359	PAE202201	42236	78420	YPS003134
18114	54298	CJU100336	30176	66360	PAE202208	42237	78421	YPS003137
18115	54299	CJU100338	30177	66361	PAE202216	42238	78422	YPS003142
18116	54300	CJU100346	30178	66362	PAE202235	42239	78423	YPS003144
18117	54301	CJU100350	30179	66363	PAE202240	42240	78424	YPS003145
18118	54302	CJU100351	30180	66364	PAE202246	42241	78425	YPS003149
18119	54303	CJU100352	30181	66365	PAE202247	42242	78426	YPS003159
18120	54304	CJU100354	30182	66366	PAE202248	42243	78427	YPS003161
18121	54305	CJU100356	30183	66367	PAE202270	42244	78428	YPS003163
18122	54306	CJU100357	30184	66368	PAE202275	42245	78429	YPS003165
18123	54307	CJU100360	30185	66369	PAE202320	42246	78430	YPS003166
18124	54308	CJU100361	30186	66370	PAE202326	42247	78431	YPS003168
18125	54309	CJU100369	30187	66371	PAE202335	42248	78432	YPS003182
18126	54310	CJU100370	30188	66372	PAE202336	42249	78433	YPS003183
18127	54311	CJU100372	30189	66373	PAE202339	42250	78434	YPS003184
18128	54312	CJU100373	30190	66374	PAE202340	42251	78435	YPS003193
18129	54313	CJU100381	30191	66375	PAE202349	42252	78436	YPS003204
18130	54314	CJU100383	30192	66376	PAE202352	42253	78437	YPS003206
18131	54315	CJU100388	30193	66377	PAE202357	42254	78438	YPS003214
18132	54316	CJU100394	30194	66378	PAE202398	42255	78439	YPS003216
18133	54317	CJU100398	30195	66379	PAE202399	42256	78440	YPS003220
18134	54318	CJU100400	30196	66380	PAE202420	42257	78441	YPS003221
18135	54319	CJU100401	30197	66381	PAE202428	42258	78442	YPS003223
18136	54320	CJU100403	30198	66382	PAE202441	42259	78443	YPS003230
18137	54321	CJU100408	30199	66383	PAE202464	42260	78444	YPS003231
18138	54322	CJU100409	30200	66384	PAE202524	42261	78445	YPS003233
18139	54323	CJU100410	30201	66385	PAE202526	42262	78446	YPS003236
18140	54324	CJU100411	30202	66386	PAE202533	42263	78447	YPS003242
18141	54325	CJU100415	30203	66387	PAE202534	42264	78448	YPS003243
18142	54326	CJU100425	30204	66388	PAE202537	42265	78449	YPS003245
18143	54327	CJU100430	30205	66389	PAE202538	42266	78450	YPS003251
18144	54328	CJU100435	30206	66390	PAE202540	42267	78451	YPS003252
18145	54329	CJU100436	30207	66391	PAE202547	42268	78452	YPS003253

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
18146	54330	CJU100438	30208	66392	PAE202561	42269	78453	YPS003254
18147	54331	CJU100439	30209	66393	PAE202571	42270	78454	YPS003258
18148	54332	CJU100440	30210	66394	PAE202586	42271	78455	YPS003261
18149	54333	CJU100441	30211	66395	PAE202605	42272	78456	YPS003264
18150	54334	CJU100442	30212	66396	PAE202609	42273	78457	YPS003266
18151	54335	CJU100443	30213	66397	PAE202610	42274	78458	YPS003267
18152	54336	CJU100444	30214	66398	PAE202611	42275	78459	YPS003268
18153	54337	CJU100448	30215	66399	PAE202613	42276	78460	YPS003269
18154	54338	CJU100451	30216	66400	PAE202617	42277	78461	YPS003272
18155	54339	CJU100453	30217	66401	PAE202621	42278	78462	YPS003275
18156	54340	CJU100455	30218	66402	PAE202624	42279	78463	YPS003280
18157	54341	CJU100456	30219	66403	PAE202627	42280	78464	YPS003282
18158	54342	CJU100457	30220	66404	PAE202664	42281	78465	YPS003285
18159	54343	CJU100458	30221	66405	PAE202698	42282	78466	YPS003289
18160	54344	CJU100460	30222	66406	PAE202707	42283	78467	YPS003291
18161	54345	CJU100463	30223	66407	PAE202730	42284	78468	YPS003294
18162	54346	CJU100467	30224	66408	PAE202732	42285	78469	YPS003297
18163	54347	CJU100469	30225	66409	PAE202733	42286	78470	YPS003304
18164	54348	CJU100471	30226	66410	PAE202737	42287	78471	YPS003321
18165	54349	CJU100472	30227	66411	PAE202738	42288	78472	YPS003325
18166	54350	CJU100479	30228	66412	PAE202741	42289	78473	YPS003326
18167	54351	CJU100481	30229	66413	PAE202742	42290	78474	YPS003330
18168	54352	CJU100484	30230	66414	PAE202747	42291	78475	YPS003331
18169	54353	CJU100487	30231	66415	PAE202793	42292	78476	YPS003334
18170	54354	CJU100496	30232	66416	PAE202794	42293	78477	YPS003339
18171	54355	CJU100503	30233	66417	PAE202798	42294	78478	YPS003344
18172	54356	CJU100504	30234	66418	PAE202800	42295	78479	YPS003346
18173	54357	CJU100505	30235	66419	PAE202808	42296	78480	YPS003348
18174	54358	CJU100507	30236	66420	PAE202838	42297	78481	YPS003349
18175	54359	CJU100519	30237	66421	PAE202854	42298	78482	YPS003356
18176	54360	CJU100520	30238	66422	PAE202921	42299	78483	YPS003357
18177	54361	CJU100524	30239	66423	PAE202922	42300	78484	YPS003367
18178	54362	CJU100533	30240	66424	PAE202929	42301	78485	YPS003368
18179	54363	CJU100534	30241	66425	PAE202951	42302	78486	YPS003371
18180	54364	CJU100535	30242	66426	PAE202957	42303	78487	YPS003373
18181	54365	CJU100536	30243	66427	PAE202959	42304	78488	YPS003375
18182	54366	CJU100537	30244	66428	PAE202960	42305	78489	YPS003376
18183	54367	CJU100538	30245	66429	PAE202962	42306	78490	YPS003380
18184	54368	CJU100543	30246	66430	PAE202963	42307	78491	YPS003382
18185	54369	CJU100546	30247	66431	PAE202964	42308	78492	YPS003384
18186	54370	CJU100547	30248	66432	PAE202965	42309	78493	YPS003387
18187	54371	CJU100550	30249	66433	PAE202966	42310	78494	YPS003389
18188	54372	CJU100558	30250	66434	PAE202970	42311	78495	YPS003399
18189	54373	CJU100562	30251	66435	PAE202974	42312	78496	YPS003402
18190	54374	CJU100565	30252	66436	PAE202975	42313	78497	YPS003406
18191	54375	CJU100575	30253	66437	PAE202976	42314	78498	YPS003414
18192	54376	CJU100577	30254	66438	PAE202988	42315	78499	YPS003417
18193	54377	CJU100584	30255	66439	PAE203000	42316	78500	YPS003419
18194	54378	CJU100586	30256	66440	PAE203012	42317	78501	YPS003420
18195	54379	CJU100590	30257	66441	PAE203021	42318	78502	YPS003421
18196	54380	CJU100593	30258	66442	PAE203026	42319	78503	YPS003424
18197	54381	CJU100594	30259	66443	PAE203027	42320	78504	YPS003425
18198	54382	CJU100600	30260	66444	PAE203032	42321	78505	YPS003432
18199	54383	CJU100601	30261	66445	PAE203042	42322	78506	YPS003443
18200	54384	CJU100602	30262	66446	PAE203081	42323	78507	YPS003446

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
18201	54385	CJU100605	30263	66447	PAE203086	42324	78508	YPS003447
18202	54386	CJU100617	30264	66448	PAE203102	42325	78509	YPS003448
18203	54387	CJU100619	30265	66449	PAE203103	42326	78510	YPS003452
18204	54388	CJU100620	30266	66450	PAE203110	42327	78511	YPS003454
18205	54389	CJU100622	30267	66451	PAE203113	42328	78512	YPS003458
18206	54390	CJU100624	30268	66452	PAE203114	42329	78513	YPS003462
18207	54391	CJU100628	30269	66453	PAE203132	42330	78514	YPS003466
18208	54392	CJU100629	30270	66454	PAE203139	42331	78515	YPS003469
18209	54393	CJU100636	30271	66455	PAE203146	42332	78516	YPS003474
18210	54394	CJU100638	30272	66456	PAE203155	42333	78517	YPS003477
18211	54395	CJU100643	30273	66457	PAE203160	42334	78518	YPS003478
18212	54396	CJU100645	30274	66458	PAE203161	42335	78519	YPS003483
18213	54397	CJU100646	30275	66459	PAE203166	42336	78520	YPS003494
18214	54398	CJU100649	30276	66460	PAE203177	42337	78521	YPS003496
18215	54399	CJU100651	30277	66461	PAE203193	42338	78522	YPS003498
18216	54400	CJU100654	30278	66462	PAE203199	42339	78523	YPS003500
18217	54401	CJU100659	30279	66463	PAE203203	42340	78524	YPS003502
18218	54402	CJU100660	30280	66464	PAE203206	42341	78525	YPS003510
18219	54403	CJU100661	30281	66465	PAE203208	42342	78526	YPS003517
18220	54404	CJU100662	30282	66466	PAE203256	42343	78527	YPS003520
18221	54405	CJU100663	30283	66467	PAE203264	42344	78528	YPS003522
18222	54406	CJU100664	30284	66468	PAE203270	42345	78529	YPS003528
18223	54407	CJU100668	30285	66469	PAE203277	42346	78530	YPS003531
18224	54408	CJU100669	30286	66470	PAE203294	42347	78531	YPS003539
18225	54409	CJU100672	30287	66471	PAE203299	42348	78532	YPS003542
18226	54410	CJU100675	30288	66472	PAE203301	42349	78533	YPS003544
18227	54411	CJU100684	30289	66473	PAE203302	42350	78534	YPS003545
18228	54412	CJU100698	30290	66474	PAE203303	42351	78535	YPS003546
18229	54413	CJU100702	30291	66475	PAE203331	42352	78536	YPS003547
18230	54414	CJU100704	30292	66476	PAE203342	42353	78537	YPS003552
18231	54415	CJU100705	30293	66477	PAE203357	42354	78538	YPS003553
18232	54416	CJU100709	30294	66478	PAE203386	42355	78539	YPS003556
18233	54417	CJU100710	30295	66479	PAE203414	42356	78540	YPS003559
18234	54418	CJU100711	30296	66480	PAE203415	42357	78541	YPS003562
18235	54419	CJU100712	30297	66481	PAE203450	42358	78542	YPS003580
18236	54420	CJU100714	30298	66482	PAE203457	42359	78543	YPS003605
18237	54421	CJU100728	30299	66483	PAE203459	42360	78544	YPS003633
18238	54422	CJU100729	30300	66484	PAE203468	42361	78545	YPS003640
18239	54423	CJU100732	30301	66485	PAE203480	42362	78546	YPS003644
18240	54424	CJU100734	30302	66486	PAE203501	42363	78547	YPS003651
18241	54425	CJU100735	30303	66487	PAE203514	42364	78548	YPS003677
18242	54426	CJU100737	30304	66488	PAE203515	42365	78549	YPS003683
18243	54427	CJU100740	30305	66489	PAE203525	42366	78550	YPS003696
18244	54428	CJU100741	30306	66490	PAE203552	42367	78551	YPS003702
18245	54429	CJU100742	30307	66491	PAE203556	42368	78552	YPS003731
18246	54430	CJU100744	30308	66492	PAE203557	42369	78553	YPS003739
18247	54431	CJU100749	30309	66493	PAE203558	42370	78554	YPS003752
18248	54432	CJU100751	30310	66494	PAE203560	42371	78555	YPS003775
18249	54433	CJU100756	30311	66495	PAE203565	42372	78556	YPS003777
18250	54434	CJU100760	30312	66496	PAE203579	42373	78557	YPS003792
18251	54435	CJU100763	30313	66497	PAE203580	42374	78558	YPS003815
18252	54436	CJU100766	30314	66498	PAE203588	42375	78559	YPS003822
18253	54437	CJU100774	30315	66499	PAE203595	42376	78560	YPS003891
18254	54438	CJU100775	30316	66500	PAE203599	42377	78561	YPS003904
18255	54439	CJU100777	30317	66501	PAE203600	42378	78562	YPS003930

DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID	DNA SeqID	Protein SeqID	Gene LocusID
18256	54440	CJU100788	30318	66502	PAE203601	42379	78563	YPS003983
18257	54441	CJU100795	30319	66503	PAE203612	42380	78564	YPS004039
18258	54442	CJU100797	30320	66504	PAE203614	42381	78565	YPS004144
18259	54443	CJU100799	30321	66505	PAE203615	42382	78566	YPS004146
18260	54444	CJU100801	30322	66506	PAE203618	42383	78567	YPS004171
18261	54445	CJU100802	30323	66507	PAE203625	42384	78568	YPS004196
18262	54446	CJU100805	30324	66508	PAE203626	42385	78569	YPS004197
18263	54447	CJU100815	30325	66509	PAE203631	42386	78570	YPS004214
18264	54448	CJU100816	30326	66510	PAE203633	42387	78571	YPS004281
18265	54449	CJU100817	30327	66511	PAE203634	42388	78572	YPS004286
18266	54450	CJU100819	30328	66512	PAE203635	42389	78573	YPS004652
18267	54451	CJU100824	30329	66513	PAE203637	42390	78574	YPS005092
18268	54452	CJU100827	30330	66514	PAE203638	42391	78575	YPS005095
18269	54453	CJU100828	30331	66515	PAE203640	42392	78576	YPS005126
18270	54454	CJU100833	30332	66516	PAE203643	42393	78577	YPS005201
18271	54455	CJU100835	30333	66517	PAE203644	42394	78578	YPS005574
18272	54456	CJU100836	30334	66518	PAE203650	42395	78579	YPS005860
18273	54457	CJU100842	30335	66519	PAE203651	42396	78580	YPS006083
18274	54458	CJU100843	30336	66520	PAE203652	42397	78581	YPS006344
18275	54459	CJU100845						

It will be appreciated that ORFs may also be identified using databases other than PathoSeq. For example, the ORFs may be identified using the methods described in U.S. Provisional Patent Application Serial Number 60/191,078, filed March 21, 2000.

EXAMPLE 4

Transfer of Exogenous Nucleic Acid Sequences to other Bacterial Species

The ability of an antisense molecule identified in a first organism to inhibit the proliferation of a second organism (thereby confirming that a gene in the second organism which is homologous to the gene from the first organism is required for proliferation of the second organism) was validated using antisense nucleic acids which inhibit the growth of *E. coli* which were identified using methods similar to those described above. Expression vectors which inhibited growth of *E. coli* upon induction of antisense RNA expression with IPTG were transformed directly into *Enterobacter cloacae, Klebsiella pneumonia* or *Salmonella typhimurium.* The transformed cells were then assayed for growth inhibition according to the method of Example 1. After growth in liquid culture, cells were plated at various serial dilutions and a score determined by calculating the log difference in growth for INDUCED vs. UNINDUCED antisense RNA expression as determined by the maximum 10 fold dilution at which a colony was observed. The results of these experiments are listed below in Table II. If there was no effect of antisense RNA expression in a microorganism, the clone is minus in Table II. In contrast, a positive in Table II means that at least 10 fold more cells were required to observe a colony on the induced plate than on the non-induced plate under the conditions used and in that microorganism.

TABLE II

Sensitivity of Other Microorganisms to Antisense Nucleic Acids That Inhibit Proliferation in *E. coli*

Mol. No.	*S. typhimurium*	*E. cloacae*	*K. pneumoniae*
EcXA001	+	+	-
EcXA004	+	-	-
EcXA005	+	+	+
EcXA006	-	-	-
EcXA007	-	+	-
EcXA008	+	-	+
EcXA009	-	-	-
EcXA010	+	+	+
EcXA011	-	+	-
EcXA012	-	+	-
EcXA013	+	+	+
EcXA014	+	+	-
EcXA015	+	+	+
EcXA016	+	+	+
EcXA017	+	+	+
EcXA018	+	+	+
EcXA019	+	+	+
EcXA020	+	+	+
EcXA021	+	+	+
EcXA023	+	+	+
EcXA024	+	-	+

EcXA025	-	-	-
EcXA026	+	+	-
EcXA027	+	+	-
EcXA028	+	-	-
EcXA029	-	-	-
EcXA030	+	+	+
EcXA031	+	-	-
EcXA032	+	+	-
EcXA033	+	+	+
EcXA034	+	+	+
EcXA035	-	-	-
EcXA036	+	-	+
EcXA037	+	+	-
EcXA038	+	+	+
EcXA039	+	-	-
EcXA041	+	+	+
EcXA042	-	+	+
EcXA043	-	-	-
EcXA044	-	-	-
EcXA045	+	+	+
EcXA046	-	-	-
EcXA047	+	+	-
EcXA048	-	-	-
EcXA049	+	-	-
EcXA050	-	-	-
EcXA051	+	-	-
EcXA052	+	-	-
EcXA053	+	+	+
EcXA054	-	-	+
EcXA055	+	-	-
EcXA056	+	-	+
EcXA057	+	+	-
EcXA058	-	-	-
EcXA059	+	+	+
EcXA060	-	-	-
EcXA061	-	-	-
EcXA062	-	-	-
EcXA063	+	+	-
EcXA064	-	-	-
EcXA065	+	+	-
EcXA066	-	-	-
EcXA067	-	+	-
EcXA068	-	-	-
EcXA069	-	+	-
EcXA070	-	-	-
EcXA071	+	-	-
EcXA072	+	-	+
EcXA073	+	+	+
EcXA074	+	+	+
EcXA075	+	-	-
EcXA076	-	+	-

EcXA077	+	+	-
EcXA079	+	+	+
EcXA080	+	-	-
EcXA082	-	+	-
EcXA083	-	-	-
EcXA084	-	+	-
EcXA086	-	-	-
EcXA087	-	-	-
EcXA088	-	-	-
EcXA089	-	-	-
EcXA090	-	-	-
EcXA091	-	-	-
EcXA092	-	-	-
EcXA093	-	-	-
EcXA094	+	+	+
EcXA095	+	+	-
EcXA096	-	-	-
EcXA097	+	-	-
EcXA098	+	-	-
EcXA099	-	-	-
EcXA100	-	-	-
EcXA101	-	-	-
EcXA102	-	-	-
EcXA103	-	+	-
EcXA104	+	+	+
EcXA106	+	+	-
EcXA107	-	-	-
EcXA108	-	-	-
EcXA109	-	-	-
EcXA110	+	+	-
EcXA111	-	-	-
EcXA112	-	+	-
EcXA113	+	+	+
EcXA114	-	+	-
EcXA115	-	+	-
EcXA116	+	+	-
EcXA117	+	-	-
EcXA118	-	-	-
EcXA119	+	+	-
EcXA120	-	-	-
EcXA121	-	-	-
EcXA122	+	-	+
EcXA123	+	-	-
EcXA124	-	-	-
EcXA125	-	-	-
EcXA126	-	-	-
EcXA127	+	+	-
EcXA128	-	-	-
EcXA129	-	+	-
EcXA130	+	+	-
EcXA132	-	-	-

EcXA133	-	-	-
EcXA136	-	-	-
EcXA137	-	-	-
EcXA138	+	-	-
EcXA139	-	-	-
EcXA140	+	-	-
EcXA141	+	-	-
EcXA142	-	-	-
EcXA143	-	+	-
EcXA144	+	+	-
EcXA145	-	-	-
EcXA146	-	-	-
EcXA147	-	-	-
EcXA148	-	-	-
EcXA149	+	+	+
EcXA150	-	-	-
EcXA151	+	-	-
EcXA152	-	-	-
EcXA153	+	+	-
EcXA154	-	-	-
EcXA155	-	-	ND
EcXA156	-	+	-
EcXA157	-	-	-
EcXA158	-	-	-
EcXA159	+	-	-
EcXA160	+	-	-
EcXA162	-	-	-
EcXA163	-	-	-
EcXA164	-	-	-
EcXA165	-	-	-
EcXA166	-	-	-
EcXA167	-	-	-
EcXA168	-	-	-
EcXA169	-	+	-
EcXA171	-	-	-
EcXA172	-	-	-
EcXA173	-	-	-
EcXA174	-	-	-
EcXA175	-	-	-
EcXA176	-	-	-
EcXA178	-	-	-
EcXA179	-	-	-
EcXA180	+	-	-
EcXA181	-	-	-
EcXA182	-	-	-
EcXA183	-	-	-
EcXA184	-	-	-
EcXA185	-	-	-
EcXA186	-	-	-
EcXA187	+	+	+
EcXA189	+	-	-

EcXA190	+	+	+
EcXA191	+	+	-
EcXA192	-	+	-

Thus, the ability of an antisense nucleic acid which inhibits the proliferation of *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis* to inhibit the growth of other organims may be evaluated by transforming the antisense nucleic acid directly into species other than the organism from which they were obtained. In particular, the ability of the antisense nucleic acid to inhibit the growth of *Acinetobacter baumannii, Anaplasma marginale, Aspergillus fumigatus, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Candida albicans, Candida glabrata* (also called *Torulopsis glabrata*), *Candida tropicalis, Candida parapsilosis, Candida guilliermondii, Candida krusei, Candida kefyr* (also called *Candida pseudotropicalis*), *Candida dubliniensis, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Clostridium perfringens, Coccidioides immitis, Corynebacterium diptheriae, Cryptococcus neoformans, Enterobacter cloacae, Enterococcus faecalis, Enterococcus faecium, Escherichia coli, Haemophilus influenzae, Helicobacter pylori, Histoplasma capsulatum, Klebsiella pneumoniae, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Nocardia asteroides, Pasteurella haemolytica, Pasteurella multocida, Pneumocystis carinii, Proteus mirabilis, Proteus vulgaris, Pseudomonas aeruginosa, Pseudomonas putida, Pseudomonas syringae, Salmonella bongori, Salmonella cholerasuis, Salmonella enterica, Salmonella paratyphi, Salmonella typhi, Salmonella typhimurium, Shigella boydii, Shigella dysenteriae, Shigella flexneri, Shigella sonnei, Staphylococcus aureus, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus pneumoniae, Streptococcus mutans, Streptococcus pyogenes, Treponema pallidum, Ureaplasma*

urealyticum, Vibrio cholerae, Vibrio parahaemolyticus, Vibrio vulnificans, Yersinia enterocolitica, Yersinia pestis or any species falling within the genera of any of the above species may be evaluated. In some embodiments of the present invention, the ability of the antisense nucleic acid to inhibit the growth of an organism other than *E. coli* may be evaluated. In such embodiments, the antisense nucleic acids are inserted into expression vectors functional in the organisms in which the antisense nucleic acids are evaluated.

It will be appreciated that the above methods for evaluating the ability of an antisense nucleic acid to inhibit the proliferation of a heterologous organism may be performed using antisense nucleic acids complementary to any of the proliferation-required nucleic acids from *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis* (including antisense nucleic acids complementary to SEQ ID NOs.: 6214-42397, such as the antisense nucleic acids of SEQ ID NOs.: 1-6213) or portions thereof, antisense nucleic acids complementary to homologous coding nucleic acids or portions thereof, or homologous antisense nucleic acids.

Those skilled in the art will appreciate that a negative result in a heterologous cell or microorganism does not mean that that cell or microorganism is missing that gene nor does it mean that the gene is unessential. However, a positive result means that the heterologous cell or microorganism contains a homologous gene which is required for proliferation of that cell or microorganism. The homologous gene may be obtained using the methods described herein. For example, the homologous gene may be isolated by performing a PCR procedure using primers based on the antisense sequence which reduced the level or activity of the gene product encoded by the homologous gene or by performing a Southern blot. Those cells that are inhibited by antisense may be used in cell-based assays as described herein for the identification and characterization of compounds in order to develop antibiotics effective in these cells or microorganisms. Those skilled in the art will appreciate that an antisense molecule which works in the microorganism from which it was obtained will not always work in a heterologous cell or microorganism.

EXAMPLE 5

Transfer of Exogenous Nucleic Acid Sequences to Other Bacterial Species Using the *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis* Expression Vectors or Expression Vectors Functional in Bacterial Species Other Than the Foregoing Bacterial Species

The antisense nucleic acids that inhibit the growth of *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio* cholerae or Yersinia *pestis*, or portions thereof, may also be evaluated for their ability to inhibit the growth of cells or microorganisms other than *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium,*

Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae or *Yersinia pestis*. For example, the antisense nucleic acids that inhibit the growth of *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis* may be evaluated for their ability to inhibit the growth of other organisms. In particular, the ability of the antisense nucleic acid to inhibit the growth of *Acinetobacter baumannii, Anaplasma marginale, Aspergillus fumigatus, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Candida albicans, Candida glabrata* (also called *Torulopsis glabrata*), *Candida tropicalis, Candida parapsilosis, Candida guilliermondii, Candida krusei, Candida kefyr* (also called *Candida pseudotropicalis*), *Candida dubliniensis, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Clostridium perfringens, Coccidioides immitis, Corynebacterium diptheriae, Cryptococcus neoformans, Enterobacter cloacae, Enterococcus faecalis, Enterococcus faecium, Escherichia coli, Haemophilus influenzae, Helicobacter pylori, Histoplasma capsulatum, Klebsiella pneumoniae, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Nocardia asteroides, Pasteurella haemolytica, Pasteurella multocida, Pneumocystis carinii, Proteus mirabilis, Proteus vulgaris, Pseudomonas aeruginosa, Pseudomonas putida, Pseudomonas syringae, Salmonella bongori, Salmonella cholerasuis, Salmonella enterica, Salmonella paratyphi, Salmonella typhi, Salmonella typhimurium, Shigella boydii, Shigella dysenteriae, Shigella flexneri, Shigella sonnei, Staphylococcus aureus, Staphylococcus epidermidis, Staphylococcus haemolyticus,*

Streptococcus pneumoniae, Streptococcus mutans, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae, Vibrio parahaemolyticus, Vibrio vulnificans, Yersinia enterocolitica, Yersinia pestis or any species falling within the genera of any of the above species may be evaluated. In some embodiments of the present invention, the ability of the antisense nucleic acid to inhibit the growth of an organism other than *E. coli* may be evaluated.

In such methods, expression vectors in which the expression of an antisense nucleic acid that inhibits the growth of *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio choleraei* or *Yersinia pestis*is under the control of an inducible promoter are introduced into the cells or microorganisms in which they are to be evaluated. In some embodiments, the antisense nucleic acids may be evaluated in cells or microorganisms which are closely related to *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis.* The ability of these antisense nucleic acids to inhibit the growth of the related cells or microorganisms in the presence of the inducer is then measured.

EXAMPLE 6

Identification of Nucleic Acids Homologous to Nucleic Acids Required for the Proliferation of *Staphylococcus aureus* in other Bacterial Species

Nucleic acids homologous to proliferation-required nucleic acids from *Staphylococcus aureus* were identified as follows. For example, thirty-nine antisense nucleic acids which inhibited the growth of *Staphylococcus aureus* were identified using methods such as those described herein and were inserted into an expression vector such that their expression was under the control of a xylose-inducible Xyl-T5 promoter. A vector with a reporter gene under control of the Xyl-T5 promoter was used to show that expression from the Xyl-T5 promoter in *Staphylococcus epidermidis* was comparable to that in *Staphylococcus aureus*.

The vectors were introduced into *Staphylococcus epidermidis* by electroporation as follows: *Staphylococcus epidermidis* was grown in liquid culture to mid-log phase and then harvested by centrifugation. The cell pellet was resuspended in 1/3 culture volume of ice-cold EP buffer (0.625 M sucrose, 1 mM $MgCl_2$, pH=4.0), and then harvested again by centrifugation. The cell pellet was then resuspended with 1/40 volume EP buffer and allowed to incubate on ice for 1 hour. The cells were then frozen for storage at -80°C. For electroporation, 50 µl of thawed electrocompetent cells were combined with 0.5 µg plasmid DNA and then subjected to an electrical pulse of 10 kV/cm, 25 uFarads, 200 ohm using a biorad gene pulser electroporation device. The cells were immediately resuspended with 200 µl outgrowth medium and incubated for 2 hours prior to plating on solid growth medium with drug selection to maintain the plasmid vector. Colonies resulting from overnight growth of these platings were selected, cultured in liquid medium with drug selection, and then subjected to dilution plating analysis as described for *Staphylococcus aureus* in Example 1 above to test growth sensitivity in the presence of the inducer xylose.

The results are shown in Table III below. The first column indicates the Molecule Number of the *Staphylococcus aureus* antisense nucleic acid which was introduced into *Staphylococcus epidermidis*. The second column indicates whether the antisense nucleic acid inhibited the growth of *Staphylococcus epidermidis*, with a "+" indicating that growth was inhibited. Of the 39 *Staphylococcus aureus* antisense nucleic acids evaluated, 20 inhibited the growth of *Staphylococcus epidermidis*.

TABLE III

Sensitivity of Other Microorganisms to Antisense Nucleic Acids That Inhibit Proliferation of *Staphylococcus aureus*

Mol. No.	*S. epidermidis*
SaXA005	+
SaXA007	+
SaXA008	+
SaXA009	+
SaXA010	+
SaXA011	-

SaXA012	-
SaXA013	-
SaXA015	+
SaXA017	-
SaXA022	+
SaXA023	-
SaXA024	-
SaXA025	+
SaXA026	+
SaXA027	-
SaXA027b	-
SaXA02c	-
SaXA028	-
SaXA029	+
SaXA030	+
SaXA032	+
SaXA033	+
SaXA034	-
SaXA035	+
SaXA037	+
SaXA039	-
SaXA042	-
SaXA043	-
SaXA044	-
SaXA045	+
SaXA051	+
SaXA053	-
SaXA056b	-
SaXA059a	+
SaXA060	-
SaXA061	+
SaXA062	+
SaXA063	-
SaXA065	-

Although the results shown above were obtained using a subset of proliferation-required nucleic acids from *Staphylococcus aureus*, it will be appreciated that similar analyses may be performed using the nucleic acids of the present invention to determine whether they inhibit the proliferation of cells or microorganisms other than *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis.*

Thus, it will be appreciated that the above methods for evaluating the ability of an antisense nucleic acid to inhibit the proliferation of a heterologous organism may be performed using antisense nucleic acids complementary to any of the proliferation-required nucleic acids from *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* or *Yersinia pestis,* (including antisense nucleic acids complementary to SEQ ID NOs.: 6214-42397, such as the antisense nucleic acids of SEQ ID NOs.: 1-6213) or portions thereof, antisense nucleic acids complementary to homologous coding nucleic acids or portions thereof, or homologous antisense nucleic acids.

EXAMPLE 7

Identification of Homologous Nucleic Acids by Functional Complementation

Homologous coding nucleic acids, homologous antisense nucleic acids or nucleic acids encoding homologous polypeptides may be identified as follows. Gene products whose activities may be complemented by a proliferation-required gene product from *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae, Yersinia pestis* or homologous polypeptides are identified using merodiploids, created by introducing a plasmid or Bacterial Artificial Chromosome into an organism having a mutation in the essential gene which reduces or eliminates the activity of the gene product. In some embodiments, the mutation may be a conditional mutation, such as a temperature sensitive mutation, such that the organism proliferates under permissive conditions but is unable to proliferate under non-permissive conditions in the absence of complementation by the gene on the plasmid or Bacterial Artificial Chromosome. Alternatively, duplications may be constructed as described in Roth et al. (1987) Biosynthesis of Aromatic Amino Acids in *Escherichia coli* and *Salmonella typhimurium*, F. C. *Neidhardt,* ed., American Society for Microbiology, publisher, pp. 2269-2270. Such methods are familiar to those skilled in the art. Alternatively, homologous coding nucleic acids, homologous antisense nucleic acids or nucleic acids encoding homologous polypeptides may be identified by placing a gene required for proliferation or a nucleic acid complementary to at least a portion of a gene required for proliferation under the control of a regulatable promoter as described above, introducing a plasmid or Bacterial Artificial Chromosome into the cell, and identifying cells which are able to proliferate under conditions which would prevent or reduce proliferation in the absence of the plasmid or Bacterial Artificial Chromosome.

Homologous coding nucleic acids, homologous antisense nucleic acids or nucleic acids encoding homologous polypeptides may be identified using databases as follows.

EXAMPLE 8

Identification of Homologous Nucleic Acids by Database Analysis

As a demonstration of the methodology required to find homologues to an essential gene, fifty-one prokaryotic organisms were analyzed and compared in detail. First, the most reliable source of gene sequences for each organism was assessed by conducting a survey of the public and private data sources. The fifty-one organisms studied are *Escherichia coli, Staphylococcus aureus, Enterococcus faecalis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella typhimurium, Acinetobacter baumannii, Bacillus anthracis, Bacteroides fragilis, Bordetella pertussis, Borrelia burgdorferi, Burkholderia cepacia, Burkholderia fungorum, Burkholderia mallei, Campylobacter jejuni, Chlamydia pneumoniae, Chlamydia trachomatis, Clostridium acetobutylicum, Clostridium botulinum, Clostridium difficile, Corynebacterium diptheriae, Enterobacter cloacae, Enterococcus faecium, Haemophilus influenzae, Helicobacter pylori, Legionella pneumophila, Listeria monocytogenes, Moraxella catarrhalis, Mycobacterium avium, Mycobacterium bovis, Mycobacterium leprae, Mycobacterium tuberculosis, Mycoplasma genitalium, Mycoplasma pneumoniae, Neisseria gonorrhoeae, Neisseria meningitidis, Pasteurella multocida, Proteus mirabilis, Pseudomonas putida, Pseudomonas syringae, Salmonella paratyphi, Salmonella typhi, Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, Treponema pallidum, Ureaplasma urealyticum, Vibrio cholerae* and *Yersinia pestis.* Full-length gene protein and nucleotide sequences for these organisms were assembled from various sources. For *Escherichia coli, Haemophilus influenzae* and *Helicobacter pylori,* gene sequences were adopted from the public sequencing projects, and derived from the GenPept 115 database (available from NCBI). For *Pseudomonas aeruginosa,* gene sequences were adopted from the Pseudomonas genome sequencing project (downloaded from http://www.pseudomonas.com). For *Klebsiella pneumoniae, Staphylococcus aureus, Streptococcus pneumoniae* and *Salmonella typhi,* genomic sequences from PathoSeq v 4.1 (Mar 2000 release) were reanalyzed for ORFs using the gene finding software GeneMark v 2.4a, which was purchased from GenePro Inc. 451 Bishop St., N.W., Suite B, Atlanta, GA, 30318, USA. Similar analyses were conducted for the other organisms using publically available and proprietary databases.

Homologous coding nucleic acids and the homologous polypeptides which they encode may be identified using a "reciprocal" best-hit analysis. To facilitate the identification of homologous coding nucleic acids and homologous polypeptides, paralogous genes within each of 51 organisms were identified and clustered prior to comparison to other organisms. Briefly, the polypeptide sequence of each polypeptide encoded by each open reading frame (ORF) in a given organism was compared to the polypeptide sequence encoded by every other ORF for that organism for each of the 51 pathogenic organisms (PathoSeq Sept 2001 release) using BLASTP 2.09 algorithm without filtering. Simultaneously, the polypeptide sequence encoded by each ORF of an organism was compared to the polypeptide sequences encoded by each of the ORFs in the remaining 51 organisms. Those polypeptides within a single organism that shared a higher degree

of sequence identity to one another than to polypeptide sequences obtained from any other organisms were clustered as "paralog" sequences for "reciprocal" best-hit analysis.

For each reference organism, the 50 homologous coding nucleic acids (and the 50 homologous polypeptides which they encode) was determined by identifying the ORFs in each of the 50 comparison organisms which encode a polypeptide sharing the highest degree of amino acid sequence identity to the polypeptide encoded by the ORF from the reference organism. The accuracy of the identification of the predicted homologous coding nucleic acids (and the homologous polypeptides which they encode) was confirmed by a "reciprocal" BLAST analysis in which the polypeptide sequence of the predicted homologous polypeptide was compared against the polypeptides encoded by each of the ORFS in the reference organism using BLASTP 2.09 algorithm without filtering. Only those polypeptides that share the highest degree of amino acid sequence identity in each portion of the two-way comparison are retained for further analysis.

The best homolog for each of the fifty-one organisms, defined as the most significantly scoring match which also fulfilled the above criteria, was reported in Table IV.

Table IV lists the best ORF identified as described above (column labeled Homolog LocusID) that matches the query sequence (column labeled Query LocusID), % identity between the query sequence and the homolog, and the amount of each sequence that aligns together well (columns labeled Query Coverage and Homolog Coverage) for the gene identified in each of the fifty-one organisms evaluated as described above. As described in connection which Table IC, the Locus IDs (ie. both Query Locus ID and Homolog Locus ID) provided in Table IV each comprise a nine digit alpha-numeric identifier that can be used to determine the organism from which the query and homolog sequences were obtained. Specifically, the first letter of the Locus ID corresponds to the first letter of the genus name of the organism described herein from which the Locus was identified and the second and third letters of the Locus ID correspond to the first two letters of the species name of this organism. For example, the identifier EFA205257 describes a gene locus identified from *Enterococcus faecalis*. In those instances where the three letter identifier is the same for different organisms, the exact identity of the organism which corresponds to the Locus ID can be determined by referring to the organism designation in the sequence listing for the coding nucleic acid or polypeptide SEQ ID NO. that corresponds to the particular Locus ID.

TABLE IV

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100001	ECO100001	100%	100%	100%
ECO100001	STY104800	85%	100%	100%
ECO100001	STM104529	85%	100%	100%
ECO100002	ABA101891	29%	40.9%	80.3%
ECO100002	BAN108126	29%	55.5%	98.5%
ECO100002	BAN105795	30%	55.5%	95.8%
ECO100002	BFR11028	36%	98.9%	99.4%
ECO100002	BPT101425	30%	41.5%	81.7%
ECO100002	BCE111633	28%	42.2%	73.4%
ECO100002	BMA100957	30%	41.3%	82.5%
ECO100002	CJU100543	30%	55.5%	97.8%
ECO100002	CDF100035	25%	5.4%	74.4%
ECO100002	CDF100673	25%	54.9%	96.7%
ECO100002	CDP101634	28%	46.1%	95.7%
ECO100002	EBC103170	92%	70.7%	100%
ECO100002	EFA201386	27%	56.2%	99.8%
ECO100002	ECO100002	100%	100%	100%
ECO100002	HIN100088	62%	99.3%	99.8%
ECO100002	HPY101212	32%	41.8%	83.5%
ECO100002	KPN300246	90%	4.1%	76.7%
ECO100002	KPN302085	92%	100%	100%
ECO100002	LMO102676	27%	57.3%	100%
ECO100002	MCA100888	30%	40.9%	80.3%
ECO100002	MAV103162	26%	55.5%	94.8%
ECO100002	MBV103584	28%	41.0%	79.6%
ECO100002	MLP101383	25%	55.5%	94.8%
ECO100002	MTU203655	28%	41.0%	79.6%
ECO100002	NGO100216	30%	8.9%	4.2%
ECO100002	NME201560	30%	8.9%	4.2%
ECO100002	PMU100113	64%	99.3%	99.8%
ECO100002	PRT104264	76%	100%	100%
ECO100002	PAE200903	30%	4.5%	5.6%
ECO100002	PPU106924	31%	40.9%	80.3%
ECO100002	PSY103112	30%	31.7%	82.0%
ECO100002	SPA100167	93%	39.5%	100%
ECO100002	STY100365	94%	100%	100%
ECO100002	STM100038	94%	100%	100%
ECO100002	SAU801327	26%	56.2%	97.6%
ECO100002	SEP201977	26%	56.2%	98.0%
ECO100002	SHA100755	26%	56.2%	99.8%
ECO100002	SMU100555	25%	56.6%	100%
ECO100002	SPN400374	25%	56.1%	98.7%
ECO100002	VCH102329	62%	100%	99.3%
ECO100002	YPS000769	81%	100%	100%
ECO100004	BFR11030	47%	85.3%	93.3%
ECO100004	BPT101337	32%	99.8%	99.4%
ECO100004	BCE114764	28%	97.4%	96.9%
ECO100004	BFU101149	29%	94.9%	94.6%
ECO100004	BMA105857	30%	90.4%	95.0%
ECO100004	CJU100751	29%	90.2%	87.2%
ECO100004	CAC103481	28%	99.5%	95.8%
ECO100004	CBO101914	30%	79.9%	86.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100004	CDF101928	31%	87.9%	85.6%
ECO100004	CDP100440	27%	99.3%	97.9%
ECO100004	EBC102668	92%	80.1%	100%
ECO100004	ECO100004	100%	100%	100%
ECO100004	HIN100086	66%	99.3%	99.5%
ECO100004	HPY100096	28%	89.3%	86.0%
ECO100004	KPN302095	90%	99.3%	99.8%
ECO100004	LPN102575	35%	89.7%	89.8%
ECO100004	MCA103682	29%	99.1%	98.5%
ECO100004	NGO101188	28%	99.1%	98.9%
ECO100004	NME201311	29%	99.1%	98.9%
ECO100004	PMU100115	69%	99.3%	99.8%
ECO100004	PRT104738	78%	99.3%	98.8%
ECO100004	PAE203732	33%	99.8%	98.5%
ECO100004	PPU107824	35%	93.9%	93.2%
ECO100004	PSY103804	34%	99.8%	98.5%
ECO100004	SPA100998	88%	57.0%	100%
ECO100004	STY100371	93%	100%	100%
ECO100004	STM100044	93%	100%	100%
ECO100004	SMU101311	31%	90.0%	87.2%
ECO100004	SPN401875	32%	90.2%	87.7%
ECO100004	VCH102327	68%	99.5%	99.5%
ECO100004	YPS000771	83%	99.3%	99.1%
ECO100005	BCE106023	30%	67.3%	35.5%
ECO100005	BFU106225	33%	74.5%	90.3%
ECO100005	BMA105475	31%	61.2%	52.5%
ECO100005	EBC102669	57%	99.0%	100%
ECO100005	ECO100005	100%	100%	100%
ECO100005	MAV107742	38%	53.1%	50.6%
ECO100005	PAE109842	33%	55.1%	23.9%
ECO100008	BPT101198	53%	98.7%	98.1%
ECO100008	BCE112831	56%	99.7%	90.3%
ECO100008	BFU112516	57%	99.7%	99.7%
ECO100008	BMA101518	57%	98.7%	98.7%
ECO100008	CJU100252	27%	55.2%	49.8%
ECO100008	EBC102672	94%	100%	100%
ECO100008	ECO100008	100%	100%	100%
ECO100008	HIN101098	79%	98.7%	98.7%
ECO100008	HPY101474	28%	58.4%	57.9%
ECO100008	KPN302087	91%	100%	100%
ECO100008	NME201973	31%	47.0%	41.9%
ECO100008	PMU101639	74%	97.8%	98.1%
ECO100008	PMU101602	77%	98.7%	98.7%
ECO100008	PRT104596	86%	100%	100%
ECO100008	PAE202794	60%	97.8%	97.7%
ECO100008	PPU101750	60%	99.4%	99.4%
ECO100008	PSY102944	60%	98.7%	98.4%
ECO100008	SPA100585	92%	62.1%	100%
ECO100008	STY100380	94%	100%	100%
ECO100008	STM100053	94%	100%	100%
ECO100008	SAU504318	30%	30.6%	17.8%
ECO100008	VCH103346	75%	98.7%	98.7%
ECO100008	YPS000773	88%	100%	100%
ECO100009	BPT100950	69%	96.4%	88.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100009	BCE102933	73%	96.4%	95.0%
ECO100009	BFU100752	72%	95.4%	88.1%
ECO100009	BMA109380	72%	96.4%	93.2%
ECO100009	CJU100675	50%	95.9%	97.2%
ECO100009	CAC100345	41%	79.5%	90.3%
ECO100009	CBO103886	42%	79.5%	92.0%
ECO100009	CDF101203	35%	78.5%	88.6%
ECO100009	EBC102673	90%	98.5%	98.5%
ECO100009	EFA202344	45%	71.3%	83.8%
ECO100009	ECO100009	100%	100%	100%
ECO100009	HIN100319	79%	96.9%	95.9%
ECO100009	HPY100786	48%	95.9%	99.4%
ECO100009	KPN302084	91%	98.5%	98.5%
ECO100009	MAV104045	37%	75.9%	91.9%
ECO100009	MBV100298	33%	75.9%	90%
ECO100009	MTU200856	33%	75.9%	90%
ECO100009	PMU102003	78%	96.4%	97.9%
ECO100009	PRT105678	82%	99.5%	99.5%
ECO100009	SPA100586	93%	98.5%	98.0%
ECO100009	STY100383	93%	98.5%	98.0%
ECO100009	STM100056	91%	98.5%	98.0%
ECO100009	YPS000774	87%	100%	100%
ECO100013	ECO100013	100%	100%	100%
ECO100013	KPN302079	66%	98.5%	100%
ECO100013	SPA105546	80%	100%	100%
ECO100013	STY106203	82%	100%	100%
ECO100023	ABA106150	60%	92.0%	67.2%
ECO100023	BAN103797	50%	96.6%	95.5%
ECO100023	BFR105539	39%	100%	100%
ECO100023	BPT101291	51%	100%	100%
ECO100023	BBU100232	38%	92.0%	74.8%
ECO100023	BCE112030	47%	98.9%	95.6%
ECO100023	BFU100359	51%	98.9%	93.5%
ECO100023	BMA106459	48%	98.9%	93.5%
ECO100023	CJU101517	34%	100%	100%
ECO100023	CPN201099	31%	94.3%	82.8%
ECO100023	CTR200896	33%	88.5%	75.5%
ECO100023	CAC102146	45%	98.9%	97.7%
ECO100023	CBO100245	39%	98.9%	97.7%
ECO100023	CDF101197	41%	96.6%	81.6%
ECO100023	CDP101196	47%	100%	100%
ECO100023	EBC101439	96%	70.1%	100%
ECO100023	EFA200336	48%	92.0%	95.2%
ECO100023	EFM201993	34%	97.7%	100%
ECO100023	ECO100023	100%	100%	100%
ECO100023	HIN100944	72%	100%	97.8%
ECO100023	HPY100074	33%	100%	97.8%
ECO100023	KPN205579	98%	100%	100%
ECO100023	LMO100322	46%	97.7%	100%
ECO100023	MCA100794	56%	98.9%	97.7%
ECO100023	MAV103835	43%	98.9%	100%
ECO100023	MBV104427	41%	98.9%	97.7%
ECO100023	MLP100381	41%	98.9%	100%
ECO100023	MTU202376	43%	98.9%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100023	MGE100374	30%	97.7%	88.6%
ECO100023	MPN100301	31%	97.7%	89.7%
ECO100023	NGO101642	57%	100%	100%
ECO100023	NME201868	57%	100%	100%
ECO100023	PMU101659	78%	100%	97.8%
ECO100023	PRT102018	83%	98.9%	100%
ECO100023	PAE204561	59%	100%	95.6%
ECO100023	PPU108230	59%	98.9%	93.5%
ECO100023	PSY102689	58%	100%	94.6%
ECO100023	SPA101944	97%	100%	100%
ECO100023	STY101095	97%	100%	100%
ECO100023	SAU801586	40%	90.8%	94.0%
ECO100023	SEP203256	37%	90.8%	90.7%
ECO100023	SHA102295	39%	90.8%	94.0%
ECO100023	SMU102606	41%	97.7%	92.9%
ECO100023	SPN400740	43%	97.7%	94.0%
ECO100023	SPY200946	45%	95.4%	98.7%
ECO100023	UUR100312	40%	88.5%	83.3%
ECO100023	VCH100666	70%	98.9%	100%
ECO100023	YPS003605	87%	98.9%	98.9%
ECO100025	ABA101842	41%	97.8%	97.3%
ECO100025	BAN106284	28%	98.1%	99.4%
ECO100025	BAN101499	35%	99.4%	97.2%
ECO100025	BFR100412	36%	98.4%	98.1%
ECO100025	BPT100434	47%	93.3%	93.1%
ECO100025	BCE109423	47%	98.1%	89.0%
ECO100025	BFU101232	45%	98.1%	92.7%
ECO100025	BMA109546	46%	98.1%	89.0%
ECO100025	CJU100550	26%	91.4%	91.9%
ECO100025	CPN200431	31%	92.0%	90.9%
ECO100025	CTR200362	32%	91.1%	93.9%
ECO100025	CAC102490	31%	89.8%	92.4%
ECO100025	CBO102062	31%	86.3%	97.8%
ECO100025	CDF100874	34%	95.5%	94.8%
ECO100025	CDP100453	30%	94.9%	90.1%
ECO100025	EBC100241	84%	56.9%	98.9%
ECO100025	EFA200587	31%	94.9%	94.3%
ECO100025	EFM201219	33%	97.1%	97.4%
ECO100025	ECO100025	100%	100%	100%
ECO100025	HIN100942	53%	98.1%	98.1%
ECO100025	HPY101070	30%	91.4%	93.6%
ECO100025	KPN300577	86%	91.1%	100%
ECO100025	LPN101116	45%	97.8%	92.7%
ECO100025	LMO100570	34%	92.3%	92.0%
ECO100025	MCA100302	41%	93.3%	93.8%
ECO100025	MAV100301	35%	92.0%	93.5%
ECO100025	MBV101247	35%	91.7%	98.4%
ECO100025	MLP100513	36%	91.7%	91.2%
ECO100025	MTU202748	35%	92.0%	91.5%
ECO100025	MGE100147	28%	89.5%	92.9%
ECO100025	MPN100673	27%	92.0%	96.7%
ECO100025	NGO101768	47%	97.1%	95.3%
ECO100025	NME200577	47%	97.1%	95.6%
ECO100025	PMU101661	58%	98.1%	98.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100025	PRT105259	67%	97.8%	97.8%
ECO100025	PAE204559	55%	98.1%	98.1%
ECO100025	PPU105777	52%	97.1%	95.9%
ECO100025	PSY102686	52%	97.1%	99.7%
ECO100025	SPA101946	88%	98.7%	100%
ECO100025	STY101100	89%	98.7%	98.7%
ECO100025	STM100815	89%	98.7%	98.7%
ECO100025	SAU801272	34%	97.1%	95.4%
ECO100025	SEP201565	35%	98.7%	96.9%
ECO100025	SHA100170	35%	97.1%	95.4%
ECO100025	SMU100956	36%	91.4%	92.5%
ECO100025	SPN401017	33%	92.0%	93.4%
ECO100025	SPY200960	32%	96.8%	96.1%
ECO100025	TPA100878	30%	69.6%	80%
ECO100025	UUR100357	26%	87.2%	86.9%
ECO100025	VCH100668	58%	97.1%	94.1%
ECO100025	YPS000809	75%	99.7%	99.7%
ECO100026	ABA103852	54%	99.8%	100%
ECO100026	BAN106248	37%	92.3%	96.1%
ECO100026	BAN106209	43%	86.5%	99.1%
ECO100026	BFR10500	25%	81.1%	79.2%
ECO100026	BPT100432	51%	99.5%	99.6%
ECO100026	BBU100832	26%	81.8%	74.0%
ECO100026	BCE111670	51%	95.3%	97.0%
ECO100026	BFU101230	51%	99.3%	98.4%
ECO100026	BMA102496	43%	98.5%	94.9%
ECO100026	BMA109115	50%	99.6%	98.7%
ECO100026	CJU100989	40%	96.3%	97.4%
ECO100026	CPN200653	26%	81.7%	73.5%
ECO100026	CTR200283	27%	81.0%	73.4%
ECO100026	CAC102765	27%	90.5%	81.7%
ECO100026	CBO100873	30%	55.1%	96.8%
ECO100026	CDF104554	29%	80.0%	72.4%
ECO100026	CDP101247	28%	89.1%	80.5%
ECO100026	EBC102151	92%	98.2%	100%
ECO100026	EFA202160	44%	98.1%	97.8%
ECO100026	EFM201425	44%	98.5%	98.1%
ECO100026	ECO100026	100%	100%	100%
ECO100026	HPY101401	39%	98.5%	99.2%
ECO100026	KPN300290	95%	4.7%	100%
ECO100026	KPN306610	92%	98.3%	100%
ECO100026	LPN101832	55%	99.9%	99.9%
ECO100026	LMO101679	43%	98.7%	99.2%
ECO100026	MCA103671	52%	0.9%	16.5%
ECO100026	MAV103388	27%	83.7%	74.6%
ECO100026	MBV102555	28%	82.3%	75.3%
ECO100026	MLP100743	24%	89.0%	80.8%
ECO100026	MTU201515	28%	82.3%	75.3%
ECO100026	MGE100354	32%	98.3%	99.4%
ECO100026	MPN100322	33%	89.3%	95.7%
ECO100026	NGO101799	53%	99.7%	100%
ECO100026	NME200578	53%	100%	100%
ECO100026	PMU101662	69%	99.8%	99.7%
ECO100026	PRT101657	80%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100026	PAE204558	57%	100%	100%
ECO100026	PPU109898	56%	100%	100%
ECO100026	PSY102684	54%	98.3%	100%
ECO100026	SPA100667	85%	82.8%	99.5%
ECO100026	STY101103	86%	100%	100%
ECO100026	STM100818	87%	100%	100%
ECO100026	SAU801193	42%	98.3%	99.0%
ECO100026	SEP200928	42%	98.3%	98.7%
ECO100026	SHA101034	41%	98.2%	99.5%
ECO100026	SMU100109	40%	98.5%	98.1%
ECO100026	SPN401501	41%	98.5%	98.1%
ECO100026	SPY201164	42%	95.8%	95.2%
ECO100026	TPA100448	26%	89.6%	81.1%
ECO100026	UUR100414	36%	97.0%	97.8%
ECO100026	VCH100669	67%	100%	100%
ECO100026	YPS000810	83%	100%	100%
ECO100032	BFR102496	39%	97.6%	100%
ECO100032	BCE114725	66%	97.1%	94.6%
ECO100032	BFU101987	64%	97.1%	90.0%
ECO100032	BMA105964	64%	97.1%	94.6%
ECO100032	CJU101410	40%	96.9%	99.5%
ECO100032	CAC100686	41%	96.3%	99.1%
ECO100032	CDF102200	42%	96.3%	98.8%
ECO100032	CDF101392	47%	97.1%	95.3%
ECO100032	CDP100339	45%	98.2%	94.4%
ECO100032	EBC100940	91%	51.8%	100%
ECO100032	EFA201091	45%	97.9%	98.6%
ECO100032	EFM201379	47%	96.9%	97.8%
ECO100032	ECO100032	100%	100%	100%
ECO100032	HPY101220	38%	97.1%	99.2%
ECO100032	KPN306459	80%	100%	100%
ECO100032	LPN100982	58%	97.6%	99.2%
ECO100032	LMO100114	46%	96.6%	96.1%
ECO100032	MCA101274	62%	96.6%	95.9%
ECO100032	MAV103355	43%	98.2%	99.2%
ECO100032	MBV100477	44%	57.6%	97.3%
ECO100032	MLP100326	42%	98.7%	100%
ECO100032	MTU201366	45%	97.6%	98.7%
ECO100032	NGO101672	67%	96.1%	96.6%
ECO100032	NME200564	67%	97.1%	97.6%
ECO100032	PMU101502	65%	97.1%	95.3%
ECO100032	PRT101652	81%	99.2%	97.9%
ECO100032	PAE204754	71%	99.0%	100%
ECO100032	PPU108522	70%	89.8%	100%
ECO100032	PSY107482	68%	64.4%	100%
ECO100032	SPA101379	86%	100%	100%
ECO100032	STY101157	93%	100%	100%
ECO100032	STM100872	94%	100%	100%
ECO100032	SAU801202	45%	97.6%	96.4%
ECO100032	SEP102450	43%	99.2%	98.1%
ECO100032	SHA102129	44%	99.2%	98.1%
ECO100032	SMU100787	43%	97.6%	97.2%
ECO100032	SPN401153	43%	98.2%	98.6%
ECO100032	SPY200619	43%	98.7%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100032	VCH102355	82%	99.0%	99.7%
ECO100032	YPS000843	86%	99.7%	97.4%
ECO100033	ABA105447	76%	86.5%	51.8%
ECO100033	BAN106466	36%	92.5%	93.4%
ECO100033	BAN106013	50%	97.2%	73.8%
ECO100033	BFR11696	39%	96.3%	96.2%
ECO100033	BFR10760	40%	39.0%	91.4%
ECO100033	BPT101199	69%	97.1%	73.7%
ECO100033	BCE101906	68%	99.9%	99.9%
ECO100033	BFU114502	68%	99.9%	99.9%
ECO100033	BMA100194	68%	99.9%	99.9%
ECO100033	CJU100250	55%	100%	99.9%
ECO100033	CAC100380	46%	100%	100%
ECO100033	CDF103346	45%	68.9%	81.0%
ECO100033	CDF103290	48%	97.4%	97.7%
ECO100033	CDF102440	47%	97.4%	97.7%
ECO100033	CDP100338	52%	98.4%	98.2%
ECO100033	EBC103143	96%	4.1%	77.8%
ECO100033	EFA201093	49%	98.6%	99.4%
ECO100033	EFM200554	48%	98.6%	99.4%
ECO100033	ECO100033	100%	100%	100%
ECO100033	HPY100903	53%	99.4%	99.7%
ECO100033	KPN306727	95%	92.1%	92.8%
ECO100033	LPN103124	72%	90.9%	74.6%
ECO100033	LMO101147	50%	98.8%	98.5%
ECO100033	MCA101278	70%	99.7%	99.9%
ECO100033	MAV103356	51%	99.9%	99.4%
ECO100033	MBV100481	52%	99.9%	99.6%
ECO100033	MLP100327	51%	99.9%	98.3%
ECO100033	MTU301470	52%	99.9%	99.6%
ECO100033	NGO101630	69%	100%	99.7%
ECO100033	NME200558	69%	100%	99.7%
ECO100033	PMU101505	69%	99.9%	99.9%
ECO100033	PRT101651	90%	100%	99.8%
ECO100033	PAE204752	76%	100%	99.9%
ECO100033	PPU105037	74%	100%	99.6%
ECO100033	PSY104746	75%	100%	99.9%
ECO100033	SPA101378	93%	87.4%	63.3%
ECO100033	STY101163	98%	100%	99.8%
ECO100033	STM100875	98%	100%	99.8%
ECO100033	SAU801203	49%	99.5%	100%
ECO100033	SEP201467	52%	86.8%	35.4%
ECO100033	SHA102130	49%	99.5%	100%
ECO100033	SMU100789	50%	98.4%	99.2%
ECO100033	SPN401152	49%	98.4%	99.2%
ECO100033	SPY200620	49%	98.4%	99.2%
ECO100033	VCH102354	85%	100%	99.6%
ECO100033	YPS000846	92%	100%	99.6%
ECO100040	ECO100040	100%	100%	100%
ECO100040	MAV102307	26%	22.0%	44.2%
ECO100040	PRT105337	87%	100%	100%
ECO100040	SPA102043	92%	54.8%	100%
ECO100040	STY101185	96%	100%	99.8%
ECO100068	BPT100719	25%	79.8%	77.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100068	BCE110446	23%	97.2%	89.3%
ECO100068	BFU104253	25%	59.3%	49.6%
ECO100068	CJU100163	23%	81.0%	82.0%
ECO100068	EBC103044	90%	96.0%	97.5%
ECO100068	ECO100068	100%	100%	100%
ECO100068	HIN100998	50%	99.1%	99.7%
ECO100068	KPN303934	83%	100%	100%
ECO100068	MCA100722	24%	85.6%	85.2%
ECO100068	NGO101933	30%	97.9%	97.3%
ECO100068	NME200270	29%	97.9%	97.3%
ECO100068	PMU100376	49%	95.4%	94.3%
ECO100068	PRT100202	66%	93.9%	94.5%
ECO100068	PAE204684	26%	81.7%	79.7%
ECO100068	PSY105429	22%	88.4%	87.8%
ECO100068	SPA101253	89%	100%	100%
ECO100068	STY101259	91%	100%	100%
ECO100068	TPA100143	31%	91.4%	90.7%
ECO100068	VCH102502	65%	97.6%	97.0%
ECO100068	YPS000940	72%	98.8%	97.9%
ECO100069	BAN110716	37%	7.8%	66.2%
ECO100069	BAN110657	27%	12.0%	60.6%
ECO100069	BAN101932	26%	57.5%	56.3%
ECO100069	EBC103045	79%	100%	100%
ECO100069	ECO100069	100%	100%	100%
ECO100069	KPN303932	78%	100%	100%
ECO100069	LMO101504	24%	94.4%	91.4%
ECO100069	PRT103304	47%	54.3%	100%
ECO100069	SPA101254	81%	99.5%	100%
ECO100069	STY101261	86%	100%	100%
ECO100069	STM100598	38%	99.5%	99.7%
ECO100069	VCH103302	33%	99.5%	99.1%
ECO100069	YPS000941	62%	99.8%	99.8%
ECO100081	BFR12308	32%	53.9%	68.6%
ECO100081	BPT103032	44%	87.5%	90.8%
ECO100081	BCE103942	47%	82.9%	85.9%
ECO100081	BFU100820	48%	82.2%	85.2%
ECO100081	BMA105750	47%	82.2%	85.2%
ECO100081	CAC103463	29%	100%	100%
ECO100081	CBO101902	31%	91.4%	85.9%
ECO100081	CDP101285	34%	93.4%	95.8%
ECO100081	EBC101941	95%	78.9%	100%
ECO100081	EFA202186	34%	88.2%	92.3%
ECO100081	EFM202534	39%	82.2%	83.9%
ECO100081	ECO100081	100%	100%	100%
ECO100081	HIN101103	59%	100%	100%
ECO100081	KPN301855	93%	78.9%	100%
ECO100081	LPN102025	43%	100%	100%
ECO100081	LMO101121	36%	96.7%	96.5%
ECO100081	MAV103918	32%	94.1%	99.3%
ECO100081	MBV101485	31%	94.1%	99.3%
ECO100081	MLP100560	32%	94.1%	99.3%
ECO100081	MTU202132	31%	94.1%	99.3%
ECO100081	MGE100226	27%	98.0%	90.3%
ECO100081	MPN100522	28%	98.7%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100081	NGO100621	40%	91.4%	93.4%
ECO100081	NME201917	40%	91.4%	93.4%
ECO100081	PMU100133	55%	100%	100%
ECO100081	PRT102634	77%	100%	100%
ECO100081	PAE204419	51%	100%	100%
ECO100081	PPU105962	50%	100%	100%
ECO100081	PSY103859	52%	100%	100%
ECO100081	SPA102750	93%	100%	100%
ECO100081	STY103147	93%	100%	100%
ECO100081	STM102859	94%	100%	100%
ECO100081	SAU801178	33%	98.0%	97.9%
ECO100081	SEP200891	32%	98.0%	97.9%
ECO100081	SHA101307	33%	98.0%	97.9%
ECO100081	TPA100379	34%	99.3%	96.6%
ECO100081	UUR100388	25%	96.7%	96.6%
ECO100081	YPS000986	84%	100%	100%
ECO100093	ABA100624	24%	88.0%	82.7%
ECO100093	BAN113055	20%	68.1%	70.9%
ECO100093	BAN105429	21%	68.1%	74.2%
ECO100093	BPT102987	28%	89.1%	94.5%
ECO100093	BCE102722	30%	75%	82%
ECO100093	BFU100406	28%	81.9%	88%
ECO100093	BMA104087	29%	75%	82%
ECO100093	CDP101255	29%	22.8%	31.2%
ECO100093	EBC101799	85%	100%	100%
ECO100093	ECO100093	100%	100%	100%
ECO100093	HIN101115	39%	83.7%	86.6%
ECO100093	KPN301845	88%	100%	100%
ECO100093	LPN103526	29%	85.1%	95.0%
ECO100093	MCA100437	24%	66.3%	74.6%
ECO100093	MAV103267	23%	43.8%	55.3%
ECO100093	MLP100571	24%	34.4%	27.9%
ECO100093	NGO100580	34%	85.9%	94.6%
ECO100093	NME201903	34%	85.9%	94.6%
ECO100093	PMU100145	37%	87.0%	93.4%
ECO100093	PRT102631	61%	93.8%	97.7%
ECO100093	PAE204407	31%	74.6%	70.0%
ECO100093	PPU105995	32%	90.9%	87.2%
ECO100093	PSY103839	33%	83.7%	81.3%
ECO100093	SPA101845	93%	100%	100%
ECO100093	STY103179	93%	100%	100%
ECO100093	STM102891	93%	100%	100%
ECO100093	SEP200899	22%	62.7%	39.8%
ECO100093	SHA100844	23%	62.0%	47.2%
ECO100093	VCH102364	39%	88.0%	90.4%
ECO100093	YPS001020	66%	97.5%	99.6%
ECO100094	ABA100623	30%	96.7%	95.7%
ECO100094	BAN111291	31%	94.3%	89.7%
ECO100094	BAN101900	32%	93.6%	88.2%
ECO100094	BFR102146	24%	79.8%	68.3%
ECO100094	BPT102984	45%	97.4%	98.0%
ECO100094	BBU100299	35%	98.6%	99.3%
ECO100094	BCE109663	46%	98.6%	98.8%
ECO100094	BFU100407	46%	98.6%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100094	BMA104126	47%	98.6%	98.8%
ECO100094	CJU100645	27%	89.8%	80.3%
ECO100094	CAC100288	26%	89.0%	86.6%
ECO100094	CBO102974	28%	89.0%	85.0%
ECO100094	EBC101798	98%	100%	100%
ECO100094	EFA202170	33%	90.5%	83.6%
ECO100094	EFM201888	32%	89.8%	82.8%
ECO100094	ECO100094	100%	100%	100%
ECO100094	HIN101116	52%	100%	100%
ECO100094	HPY100962	25%	92.9%	83.9%
ECO100094	KPN300531	96%	58.3%	100%
ECO100094	LPN103001	44%	100%	100%
ECO100094	LMO101001	32%	95%	89.7%
ECO100094	MCA100438	25%	82.4%	78.9%
ECO100094	NGO100578	41%	97.6%	98.1%
ECO100094	NME201902	42%	97.1%	97.6%
ECO100094	PMU100146	50%	100%	100%
ECO100094	PRT102629	89%	100%	100%
ECO100094	PAE204406	51%	93.6%	92.6%
ECO100094	PPU111774	52%	90%	90.0%
ECO100094	PSY103837	52%	91.7%	92.2%
ECO100094	SPA101844	97%	100%	100%
ECO100094	STY103209	99%	100%	100%
ECO100094	STM102892	99%	100%	100%
ECO100094	SAU801185	24%	88.8%	76.6%
ECO100094	SEP200915	25%	88.8%	77.6%
ECO100094	SHA100845	25%	83.6%	71.9%
ECO100094	SMU100084	31%	89.0%	79.9%
ECO100094	SPN401510	33%	83.3%	74.8%
ECO100094	SPY201171	31%	89.0%	79.7%
ECO100094	TPA100385	33%	93.3%	95.9%
ECO100094	VCH102363	68%	100%	100%
ECO100094	YPS001022	95%	100%	100%
ECO100095	ABA100622	49%	95.8%	93.9%
ECO100095	BAN103024	47%	96.9%	96.4%
ECO100095	BAN112439	48%	96.9%	96.4%
ECO100095	BFR12421	43%	84.1%	74.1%
ECO100095	BPT102981	53%	97.1%	96.4%
ECO100095	BBU100298	47%	97.1%	92.3%
ECO100095	BCE103310	58%	75.7%	100%
ECO100095	BFU100408	52%	98.2%	97.7%
ECO100095	BMA104500	52%	99.7%	99.5%
ECO100095	CJU100646	40%	100%	98.9%
ECO100095	CAC100838	50%	96.9%	95.7%
ECO100095	CBO103263	49%	96.9%	96.5%
ECO100095	CDF102447	48%	98.4%	96.2%
ECO100095	CDP101254	51%	84.6%	77.9%
ECO100095	EBC101797	97%	41.5%	97.5%
ECO100095	EFA202168	51%	90.1%	84.1%
ECO100095	EFM200220	54%	82.0%	75.8%
ECO100095	ECO100095	100%	100%	100%
ECO100095	HIN101117	63%	79.9%	77.9%
ECO100095	HPY100963	40%	79.4%	79.5%
ECO100095	KPN300530	98%	41.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100095	LPN100473	71%	9.4%	100%
ECO100095	LMO101235	46%	96.9%	96.2%
ECO100095	MCA101528	55%	85.9%	91.9%
ECO100095	MAV103265	47%	96.6%	97.7%
ECO100095	MBV100533	53%	79.4%	79.9%
ECO100095	MLP100572	45%	96.6%	97.9%
ECO100095	MTU202116	53%	79.4%	79.9%
ECO100095	MGE100229	34%	54.6%	55.6%
ECO100095	MPN100519	32%	54.0%	53.4%
ECO100095	NGO100577	48%	96.9%	95.2%
ECO100095	NME201901	48%	96.9%	95.2%
ECO100095	PMU100147	62%	87.5%	82.7%
ECO100095	PRT102627	94%	48.8%	100%
ECO100095	PAE204405	57%	100%	100%
ECO100095	PPU105993	58%	100%	100%
ECO100095	PSY103835	57%	100%	100%
ECO100095	SPA100031	91%	67.1%	98.1%
ECO100095	STY103211	98%	100%	100%
ECO100095	STM102893	98%	100%	100%
ECO100095	SAU801186	52%	81.2%	79.0%
ECO100095	SEP200917	45%	97.4%	95.2%
ECO100095	SHA100846	45%	97.4%	95.2%
ECO100095	SMU100085	51%	89.6%	78.1%
ECO100095	SPN401509	56%	80.7%	73.5%
ECO100095	SPY201170	54%	82.0%	71.3%
ECO100095	TPA100386	49%	79.4%	72.7%
ECO100095	VCH102362	75%	100%	100%
ECO100095	YPS001023	94%	100%	100%
ECO100096	ABA100621	49%	71.5%	100%
ECO100096	BFR100706	38%	88.5%	63.3%
ECO100096	BPT102979	52%	97.7%	98.0%
ECO100096	BCE106802	54%	97.4%	97.0%
ECO100096	BFU106497	53%	97.4%	97.0%
ECO100096	BMA100406	55%	97.4%	97.0%
ECO100096	CJU100121	42%	94.1%	95.9%
ECO100096	CPN200093	36%	89.2%	95.8%
ECO100096	CTR200809	38%	90.8%	95.5%
ECO100096	EBC100070	97%	37.4%	100%
ECO100096	EFA204185	36%	16.4%	7.8%
ECO100096	ECO100096	100%	100%	100%
ECO100096	HIN101118	77%	99.7%	99.7%
ECO100096	HPY101035	42%	95.4%	96.9%
ECO100096	KPN300609	94%	76.7%	100%
ECO100096	MCA100416	54%	97.0%	97.7%
ECO100096	NGO101976	48%	96.4%	96.4%
ECO100096	NME200247	49%	96.4%	96.4%
ECO100096	PMU100148	77%	99.7%	99.7%
ECO100096	PRT100138	86%	90.8%	100%
ECO100096	PAE204404	57%	99.7%	100%
ECO100096	PPU111772	56%	99.7%	100%
ECO100096	PSY103834	56%	99.7%	100%
ECO100096	SPA100700	87%	100%	100%
ECO100096	STY103212	98%	100%	100%
ECO100096	STM102894	98%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100096	VCH102361	73%	100%	100%
ECO100096	YPS001024	92%	100%	98.1%
ECO100102	BPT102719	31%	100%	99.2%
ECO100102	BCE111292	30%	91.5%	91.2%
ECO100102	BFU101371	31%	98.4%	98.8%
ECO100102	BMA106052	30%	98.4%	98.8%
ECO100102	EBC103445	80%	100%	100%
ECO100102	ECO100102	100%	100%	100%
ECO100102	KPN301732	76%	97.6%	100%
ECO100102	LPN101018	24%	93.9%	92.7%
ECO100102	PRT104002	53%	98.4%	97.2%
ECO100102	PPU100250	45%	16.2%	97.6%
ECO100102	SPA101560	89%	100%	100%
ECO100102	STY103218	89%	100%	100%
ECO100102	VCH102393	40%	97.6%	97.6%
ECO100102	YPS000901	67%	100%	98.8%
ECO100113	BAN100380	31%	84.6%	98.2%
ECO100113	BMA109038	39%	90.6%	63.6%
ECO100113	CDF100440	28%	89.0%	86.6%
ECO100113	EBC103453	92%	100%	100%
ECO100113	ECO100113	100%	100%	100%
ECO100113	KPN307947	90%	24.0%	92.4%
ECO100113	KPN301741	93%	100%	98.1%
ECO100113	LMO100648	28%	89.4%	95.2%
ECO100113	MAV105850	25%	90.6%	92%
ECO100113	MAV106443	25%	91.7%	94.7%
ECO100113	MAV106442	28%	86.6%	85%
ECO100113	NGO100599	34%	96.9%	94.6%
ECO100113	NME201814	34%	96.9%	94.2%
ECO100113	PRT106136	79%	98.8%	96.2%
ECO100113	PAE204765	47%	97.6%	97.7%
ECO100113	PPU100113	46%	97.6%	98.8%
ECO100113	SPA100332	95%	100%	100%
ECO100113	STY103289	96%	100%	100%
ECO100113	STM102972	96%	100%	100%
ECO100113	VCH102380	65%	98.8%	98.0%
ECO100113	YPS000871	86%	99.6%	99.6%
ECO100115	ABA105536	46%	33.7%	68.0%
ECO100115	BAN101075	31%	0.2%	45.1%
ECO100115	BAN101226	36%	17.1%	43.7%
ECO100115	BPT100902	56%	0.2%	43.0%
ECO100115	BCE106716	56%	21.1%	4.3%
ECO100115	BFU100111	53%	25.9%	13.8%
ECO100115	BMA108930	53%	20.8%	55.4%
ECO100115	CJU100863	21%	4.3%	34.7%
ECO100115	CDP100400	34%	98.7%	98.2%
ECO100115	EBC102752	90%	100%	100%
ECO100115	EFA202405	34%	37.1%	59.6%
ECO100115	EFM201990	32%	37.1%	60.1%
ECO100115	ECO100115	100%	100%	100%
ECO100115	HIN101204	68%	34.6%	58.6%
ECO100115	KPN301446	91%	100%	100%
ECO100115	LPN100774	45%	10.3%	53.9%
ECO100115	LMO102367	35%	37.1%	60.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100115	MCA101150	39%	19.0%	44.2%
ECO100115	MAV103601	31%	1.6%	33.2%
ECO100115	MTU405582	32%	50.2%	84.6%
ECO100115	MTU400129	32%	64.4%	99.8%
ECO100115	MGE100278	25%	16.5%	26.3%
ECO100115	MPN100447	27%	3.2%	46.0%
ECO100115	NGO100078	53%	15.6%	38.0%
ECO100115	NME201414	56%	33.2%	19.6%
ECO100115	PMU100894	72%	100%	100%
ECO100115	PRT102280	78%	100%	100%
ECO100115	PAE205011	54%	83.0%	99.3%
ECO100115	PPU105100	54%	18.7%	59.2%
ECO100115	PSY103646	52%	20.2%	43.8%
ECO100115	SPA100283	80%	60.5%	100%
ECO100115	STY103294	93%	100%	100%
ECO100115	STM102974	93%	100%	100%
ECO100115	SAU101783	36%	39.8%	77.6%
ECO100115	SPY200777	30%	3.8%	35.4%
ECO100115	VCH102378	74%	100%	99.1%
ECO100115	YPS000863	79%	14.0%	37.7%
ECO100116	ABA101766	38%	95.6%	96.4%
ECO100116	BAN101609	33%	96.4%	97.0%
ECO100116	BAN103383	44%	96.4%	97.0%
ECO100116	BFR10034	33%	94.1%	98.2%
ECO100116	BFR11786	32%	94.1%	98.7%
ECO100116	BPT100905	63%	99.6%	79.2%
ECO100116	BCE110691	66%	97.9%	79.7%
ECO100116	BFU100082	65%	99.4%	92.9%
ECO100116	BMA107694	65%	99.6%	80.0%
ECO100116	CPN201018	35%	93.0%	94.1%
ECO100116	CTR200835	38%	93.0%	94.0%
ECO100116	CBO103777	35%	93.5%	95.2%
ECO100116	CBO103904	37%	94.7%	97.0%
ECO100116	CDF102926	38%	94.7%	95.7%
ECO100116	CDP100695	36%	96.6%	98.7%
ECO100116	EBC102751	97%	100%	100%
ECO100116	EFA202404	43%	96.4%	97.4%
ECO100116	EFM201020	42%	96.4%	97.4%
ECO100116	ECO100116	100%	100%	100%
ECO100116	HIN101203	81%	100%	99.2%
ECO100116	KPN301447	96%	100%	99.8%
ECO100116	LPN100879	62%	100%	100%
ECO100116	LMO101821	43%	95.4%	96.4%
ECO100116	MCA101643	37%	98.1%	98.8%
ECO100116	MAV101768	37%	95.6%	97.0%
ECO100116	MBV103409	37%	97.0%	98.7%
ECO100116	MLP101416	34%	97.0%	98.7%
ECO100116	MTU200460	37%	97.0%	98.7%
ECO100116	MGE100277	32%	93.7%	96.3%
ECO100116	MPN100448	33%	93.7%	96.3%
ECO100116	NGO100074	63%	99.4%	81.1%
ECO100116	NME201415	63%	99.4%	81.1%
ECO100116	PMU100893	88%	100%	100%
ECO100116	PRT102281	90%	100%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100116	PAE201586	42%	98.5%	99.4%
ECO100116	PPU103115	40%	98.5%	99.4%
ECO100116	PSY104859	41%	98.5%	99.4%
ECO100116	SPA100336	96%	83.5%	100%
ECO100116	STY103295	98%	100%	99.8%
ECO100116	STM103004	98%	100%	100%
ECO100116	SAU801096	44%	95.6%	96.4%
ECO100116	SEP200806	45%	95.6%	96.4%
ECO100116	SHA100679	44%	95.6%	96.8%
ECO100116	SMU101480	36%	93.2%	74.7%
ECO100116	SPN401048	38%	93.2%	76.5%
ECO100116	SPY200778	35%	97.5%	77.7%
ECO100116	VCH102377	89%	100%	99.8%
ECO100116	YPS000861	93%	100%	99.8%
ECO100117	BPT103682	29%	59.3%	100%
ECO100117	BCE104746	29%	31.9%	62.8%
ECO100117	BFU101391	43%	46.8%	46.8%
ECO100117	BFU100907	41%	49.3%	57.2%
ECO100117	EBC102750	48%	89.5%	100%
ECO100117	EFA200061	22%	25.8%	20.0%
ECO100117	EFA201265	22%	25.8%	20.0%
ECO100117	ECO100117	100%	100%	100%
ECO100117	KPN305987	52%	91.2%	96.4%
ECO100117	MCA102218	28%	10.9%	46.5%
ECO100117	PPU101283	36%	77.3%	91.2%
ECO100117	SPA101490	56%	88.8%	100%
ECO100117	STY103296	58%	87.8%	98.0%
ECO100117	SAU800401	27%	13.1%	11.6%
ECO100117	SPN401793	29%	14.1%	22.7%
ECO100118	ABA100442	74%	99.3%	98.7%
ECO100118	BPT102269	72%	99.1%	99.5%
ECO100118	BCE109527	73%	99.3%	99.8%
ECO100118	BFU107948	74%	99.3%	98.1%
ECO100118	CJU100774	60%	98.4%	99.2%
ECO100118	EBC106332	96%	82.5%	100%
ECO100118	ECO100118	100%	100%	100%
ECO100118	HPY100766	61%	98.4%	99.2%
ECO100118	KPN300389	95%	18.2%	90.2%
ECO100118	KPN300864	96%	93.5%	100%
ECO100118	MCA101955	73%	95.5%	99.3%
ECO100118	NGO101334	74%	99.3%	99.8%
ECO100118	NME201620	74%	99.3%	99.8%
ECO100118	PMU100204	81%	99.9%	99.5%
ECO100118	PRT101310	88%	100%	100%
ECO100118	PAE201786	79%	99.0%	98.8%
ECO100118	PPU111285	79%	96.3%	96.0%
ECO100118	PSY101607	78%	99.0%	96.3%
ECO100118	SPA100508	94%	60%	100%
ECO100118	STY103298	96%	100%	100%
ECO100118	STM103008	96%	100%	100%
ECO100118	TPA100176	31%	13.3%	37.0%
ECO100118	VCH100593	82%	99.7%	99.7%
ECO100118	YPS000857	90%	100%	100%
ECO100135	ECO100135	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100135	SPA106733	29%	40.3%	97.3%
ECO100135	STY103389	32%	98.5%	97.2%
ECO100136	ECO100136	100%	100%	100%
ECO100136	SPA109709	36%	58.6%	98.2%
ECO100136	STY103420	37%	86.4%	84.8%
ECO100139	ABA100394	33%	96.0%	97.9%
ECO100139	ABA100739	36%	92.5%	97.6%
ECO100139	BFU103132	30%	68.4%	77.5%
ECO100139	BFU103304	38%	76.4%	92.9%
ECO100139	BFU103222	33%	94.7%	87.3%
ECO100139	ECO100139	100%	100%	100%
ECO100139	KPN302863	35%	94.3%	96.5%
ECO100139	PRT105280	35%	93.9%	93.8%
ECO100139	PAE204081	35%	93.2%	94.2%
ECO100139	SPA104033	45%	96.4%	100%
ECO100139	STY103424	60%	98.3%	98.4%
ECO100139	SHA101318	19%	16.4%	31.5%
ECO100139	SPY100688	22%	23.1%	53.9%
ECO100139	TPA100432	23%	19.5%	46.1%
ECO100139	YPS000524	36%	93.1%	91.7%
ECO100140	ABA100736	35%	95.1%	96.7%
ECO100140	ABA100392	40%	88.2%	88.2%
ECO100140	BPT101284	41%	87.0%	75.9%
ECO100140	BFU103245	39%	94.7%	97.9%
ECO100140	BFU103302	47%	93.9%	93.5%
ECO100140	ECO100140	100%	100%	100%
ECO100140	KPN302865	39%	91.5%	93.6%
ECO100140	PRT105676	42%	95.9%	90.7%
ECO100140	PAE204082	39%	87.0%	85.1%
ECO100140	PPU101843	34%	43.9%	81.8%
ECO100140	PSY105016	36%	87.0%	76.6%
ECO100140	SPA104034	48%	97.2%	95.2%
ECO100140	STY103425	57%	100%	100%
ECO100140	YPS000522	41%	96.7%	92.3%
ECO100142	ABA105477	47%	88.1%	85.6%
ECO100142	BAN112513	43%	84.3%	77.8%
ECO100142	BFR100366	39%	84.9%	88.9%
ECO100142	BPT101655	40%	88.7%	85.3%
ECO100142	BCE102263	49%	49.7%	62.9%
ECO100142	BFU102640	37%	99.4%	85.7%
ECO100142	BMA109305	39%	95.0%	87.4%
ECO100142	CJU100058	29%	79.9%	80.3%
ECO100142	CAC103001	38%	84.9%	48.7%
ECO100142	CBO100107	41%	87.4%	90.7%
ECO100142	CDF102980	37%	86.2%	50.6%
ECO100142	CDP100654	36%	93.7%	90.6%
ECO100142	EBC102063	85%	88.1%	100%
ECO100142	ECO100142	100%	100%	100%
ECO100142	HIN100063	56%	99.4%	98.1%
ECO100142	HPY101019	31%	86.2%	83.4%
ECO100142	KPN308497	77%	100%	100%
ECO100142	LPN102612	37%	88.1%	98.6%
ECO100142	LMO102140	42%	84.9%	84.3%
ECO100142	MCA100865	38%	99.4%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100142	MAV104005	38%	88.7%	78.0%
ECO100142	MBV102400	33%	84.3%	73.9%
ECO100142	MLP100158	35%	80.5%	70.2%
ECO100142	MTU203554	33%	84.3%	73.9%
ECO100142	NGO101986	42%	84.3%	81.1%
ECO100142	NME200881	43%	84.3%	81.1%
ECO100142	PMU100865	57%	92.5%	88.5%
ECO100142	PRT102518	62%	97.5%	95.2%
ECO100142	PAE204724	51%	96.9%	94.4%
ECO100142	PPU108440	48%	99.4%	99.4%
ECO100142	PSY105158	53%	96.9%	93.3%
ECO100142	SPA104025	80%	98.1%	100%
ECO100142	STY103427	89%	90.6%	90.6%
ECO100142	SAU800516	40%	89.9%	89.9%
ECO100142	SEP201849	43%	87.4%	86.8%
ECO100142	SHA100112	41%	87.4%	86.8%
ECO100142	SMU100995	42%	86.2%	77.7%
ECO100142	SPN400269	36%	97.5%	55.2%
ECO100142	SPY200833	44%	87.4%	83.1%
ECO100142	VCH100582	58%	100%	95.2%
ECO100142	YPS000787	65%	93.1%	93.1%
ECO100144	ABA104779	45%	93.8%	91.9%
ECO100144	BPT100055	48%	88.6%	96.8%
ECO100144	BCE107846	45%	88.6%	95.6%
ECO100144	BFU114519	47%	83.1%	86.6%
ECO100144	BMA109098	46%	81.8%	88.9%
ECO100144	EBC102068	78%	92.9%	90.2%
ECO100144	ECO100144	100%	100%	100%
ECO100144	KPN306084	76%	92.9%	97.6%
ECO100144	MCA102257	34%	88.3%	93.8%
ECO100144	NGO101470	46%	91.9%	98.6%
ECO100144	NME201975	45%	91.9%	98.6%
ECO100144	PAE204720	48%	92.2%	96.9%
ECO100144	PPU108420	50%	93.8%	96.3%
ECO100144	PSY105149	44%	81.8%	96.9%
ECO100144	SPA104029	79%	80.5%	98.4%
ECO100144	STY103460	81%	96.4%	99.7%
ECO100144	VCH100584	56%	96.4%	98.0%
ECO100144	YPS000781	71%	91.2%	87.5%
ECO100145	ABA104294	63%	95.4%	81.5%
ECO100145	BAN111357	29%	69.5%	51.8%
ECO100145	BAN107715	31%	69.5%	46.5%
ECO100145	BPT100533	37%	94.7%	92.2%
ECO100145	BBU100167	29%	74.2%	92%
ECO100145	BCE102976	45%	78.8%	85.5%
ECO100145	BFU114180	43%	78.8%	84.9%
ECO100145	BMA106451	46%	78.8%	85.5%
ECO100145	CJU100114	26%	76.8%	97.5%
ECO100145	CTR200677	23%	74.2%	85.8%
ECO100145	CAC101598	27%	71.5%	58.5%
ECO100145	CBO101773	30%	63.6%	54.1%
ECO100145	CDF100661	32%	32.5%	30.1%
ECO100145	EBC102067	98%	100%	100%
ECO100145	ECO100145	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100145	HIN100061	75%	94.0%	97.9%
ECO100145	KPN304195	98%	100%	100%
ECO100145	LPN103126	72%	88.1%	84.2%
ECO100145	MCA101582	62%	86.1%	93.5%
ECO100145	NGO101937	45%	82.1%	89.1%
ECO100145	NME200203	45%	82.1%	89.1%
ECO100145	PMU100863	80%	94.0%	97.9%
ECO100145	PRT101562	94%	100%	100%
ECO100145	PAE204719	76%	86.8%	88.5%
ECO100145	PPU108418	68%	85.4%	83.8%
ECO100145	PSY100089	76%	74.2%	96.6%
ECO100145	SPA104031	97%	30.5%	100%
ECO100145	STY103461	98%	100%	100%
ECO100145	SAU801431	32%	31.1%	80.3%
ECO100145	SPY200759	50%	19.9%	34.7%
ECO100145	TPA100095	29%	56.3%	65%
ECO100145	VCH100585	85%	95.4%	97.3%
ECO100145	YPS000779	94%	100%	100%
ECO100148	CDP101536	34%	89.7%	99.0%
ECO100148	EBC102064	78%	69.9%	100%
ECO100148	ECO100148	100%	100%	100%
ECO100148	KPN304202	81%	98.2%	100%
ECO100148	PRT101564	55%	97.8%	99.6%
ECO100148	PAE203958	47%	97.6%	99.4%
ECO100148	PPU107649	45%	96.7%	99.5%
ECO100148	PSY108786	45%	97.6%	96.6%
ECO100148	SPA101069	75%	100%	100%
ECO100148	STY103465	84%	98.7%	100%
ECO100148	STM103140	84%	100%	100%
ECO100148	VCH100590	48%	97.9%	99.5%
ECO100148	YPS000776	65%	98.1%	98.6%
ECO100150	ABA103956	29%	98.5%	99.0%
ECO100150	BFR104161	21%	22.4%	18.2%
ECO100150	BFR100416	25%	19.0%	17.3%
ECO100150	BFR10467	21%	20.3%	20.2%
ECO100150	BFR11841	27%	16.1%	17.5%
ECO100150	BFR101776	25%	17.0%	16.1%
ECO100150	BFR103964	23%	20.5%	20.3%
ECO100150	BFR104855	31%	11.8%	13.2%
ECO100150	BFR100601	22%	44.0%	33.4%
ECO100150	BFR10065	27%	16.3%	36.7%
ECO100150	BFR103068	20%	21.4%	22.6%
ECO100150	BFR104786	21%	26.6%	24.0%
ECO100150	BFR10126	22%	86.9%	79.2%
ECO100150	BPT101854	38%	93.2%	83.9%
ECO100150	BCE111433	33%	82.6%	98.4%
ECO100150	BFU107418	24%	98.4%	96.3%
ECO100150	BMA109111	34%	95.9%	94.8%
ECO100150	EBC101242	89%	96.5%	100%
ECO100150	ECO100150	100%	100%	100%
ECO100150	HIN101435	26%	39.2%	87.2%
ECO100150	KPN304208	60%	100%	100%
ECO100150	MCA102097	23%	23.2%	19.8%
ECO100150	MBV102043	29%	9.1%	35.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100150	MTU202942	29%	9.1%	37.6%
ECO100150	PRT104914	33%	99.7%	98.9%
ECO100150	PAE202464	38%	91.7%	80.7%
ECO100150	PPU105337	38%	94.4%	97.9%
ECO100150	PSY101285	37%	97.3%	97.2%
ECO100150	SPA100272	91%	47.4%	100%
ECO100150	STY104553	35%	98.1%	99.3%
ECO100150	STM103144	73%	100%	100%
ECO100150	TPA100587	29%	14.1%	47.5%
ECO100150	VCH100198	32%	91.3%	90.7%
ECO100150	YPS000978	26%	96.5%	98.1%
ECO100151	BFR105362	32%	78.5%	82.5%
ECO100151	BFU102313	62%	98.1%	88.1%
ECO100151	CJU101278	38%	89.8%	94.0%
ECO100151	EFA201996	42%	87.5%	91.6%
ECO100151	ECO100151	100%	100%	100%
ECO100151	HPY100874	31%	90.9%	94.9%
ECO100151	KPN304210	92%	100%	100%
ECO100151	PRT102499	36%	89.8%	94.0%
ECO100151	PPU100161	42%	86.0%	87.6%
ECO100151	SPA100271	75%	67.5%	100%
ECO100151	STY103469	91%	100%	100%
ECO100151	STM103175	92%	100%	100%
ECO100151	SMU100116	38%	90.2%	88.4%
ECO100151	VCH100199	45%	92.1%	85.6%
ECO100151	YPS000155	79%	100%	100%
ECO100153	BAN110904	27%	94.4%	45.6%
ECO100153	BAN110932	31%	94.4%	94.7%
ECO100153	BCE113442	30%	4.2%	94.8%
ECO100153	BFU103716	31%	100%	95.5%
ECO100153	BMA103709	31%	99.5%	94.9%
ECO100153	CDP100079	29%	40.2%	95.7%
ECO100153	EBC105792	81%	1.4%	98.6%
ECO100153	ECO100153	100%	100%	100%
ECO100153	KPN304213	83%	100%	100%
ECO100153	SPA103168	82%	21.2%	98.9%
ECO100153	STY103491	90%	98.8%	95.2%
ECO100153	STM103177	90%	98.8%	95.2%
ECO100153	VCH100201	36%	97.4%	97.5%
ECO100153	YPS000152	68%	98.8%	98.2%
ECO100158	ABA104905	27%	65.0%	51.6%
ECO100158	BAN107089	25%	77.4%	65.7%
ECO100158	BFR101755	22%	61.7%	44.9%
ECO100158	BPT100813	34%	91.0%	84.2%
ECO100158	BCE101181	40%	62.8%	77.5%
ECO100158	BFU105758	34%	90.2%	83.2%
ECO100158	BMA108052	36%	94.7%	83.5%
ECO100158	CJU101523	28%	73.3%	73.1%
ECO100158	CAC103091	21%	60.2%	45.6%
ECO100158	CBO101985	29%	72.9%	64.1%
ECO100158	CDP100163	27%	64.3%	53.1%
ECO100158	EBC102140	77%	99.2%	99.2%
ECO100158	ECO100158	100%	100%	100%
ECO100158	HIN101441	22%	66.2%	56.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100158	HPY101538	24%	74.4%	55.8%
ECO100158	KPN308672	72%	99.6%	99.6%
ECO100158	LMO101056	29%	89.1%	81.3%
ECO100158	PRT105976	50%	95.9%	95.7%
ECO100158	PAE204042	30%	93.6%	95.1%
ECO100158	PPU104488	29%	94.4%	94.4%
ECO100158	PSY103310	25%	51.9%	44.0%
ECO100158	SPA102649	75%	76.3%	99.5%
ECO100158	STY103497	80%	100%	100%
ECO100158	SAU800609	27%	89.5%	85.4%
ECO100158	SEP200175	28%	85.3%	81.7%
ECO100158	SHA101549	26%	89.5%	83.2%
ECO100158	SPY201383	20%	74.1%	68.4%
ECO100158	VCH102346	37%	90.2%	89.1%
ECO100158	YPS000147	54%	97.0%	92.9%
ECO100161	BAN110062	37%	59.3%	71.5%
ECO100161	BAN107077	36%	78.9%	67.6%
ECO100161	BFR11675	39%	75.7%	74.7%
ECO100161	BPT102297	41%	74.3%	85.3%
ECO100161	BBU100104	34%	93.9%	92.1%
ECO100161	BCE109327	36%	95.6%	92.1%
ECO100161	BMA103894	36%	94.7%	91.5%
ECO100161	CJU101153	38%	95.1%	94.7%
ECO100161	CTR200205	40%	77.6%	75.5%
ECO100161	CBO100298	43%	57.6%	67.1%
ECO100161	EBC102486	91%	100%	100%
ECO100161	EFA202055	34%	92.2%	78.0%
ECO100161	EFM201658	36%	48.3%	95.8%
ECO100161	ECO100161	100%	100%	100%
ECO100161	HPY101002	42%	79.1%	88.9%
ECO100161	KPN304180	90%	100%	100%
ECO100161	LPN103539	41%	93.5%	95.2%
ECO100161	LMO101189	36%	60.3%	60.8%
ECO100161	MAV103189	34%	56.1%	53.4%
ECO100161	MBV100882	36%	56.1%	51.3%
ECO100161	MLP100663	35%	57.2%	51.4%
ECO100161	MTU201206	35%	56.1%	49.0%
ECO100161	PAE200765	38%	77.8%	99.6%
ECO100161	PSY102326	38%	73.4%	96.8%
ECO100161	SPA102656	90%	100%	96.5%
ECO100161	STY103840	92%	100%	100%
ECO100161	STM103213	92%	100%	100%
ECO100161	SAU801728	40%	57.6%	65.8%
ECO100161	SEP202073	41%	61.8%	73.1%
ECO100161	SHA100568	40%	59.1%	67.3%
ECO100161	SMU101421	38%	57.6%	72.6%
ECO100161	SPY201695	33%	69.8%	87.2%
ECO100161	TPA100832	34%	89.2%	88.7%
ECO100161	VCH100556	58%	100%	99.8%
ECO100161	YPS000135	75%	100%	100%
ECO100167	ABA104028	40%	94.6%	95.9%
ECO100167	BPT101104	38%	88.9%	91.7%
ECO100167	BCE102413	35%	83.9%	99.6%
ECO100167	BFU101941	36%	68.2%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100167	BMA110028	36%	92.7%	95.5%
ECO100167	CDP101162	26%	47.1%	60.8%
ECO100167	EBC103102	90%	64.9%	99.5%
ECO100167	ECO100167	100%	100%	100%
ECO100167	HIN101684	46%	92.8%	95.6%
ECO100167	KPN306317	88%	97.2%	99.8%
ECO100167	LPN101443	37%	94.9%	98.1%
ECO100167	MCA101007	33%	95.1%	96.2%
ECO100167	MAV103401	24%	48.3%	90.3%
ECO100167	MBV102319	25%	93.8%	97.3%
ECO100167	MTU202880	25%	93.8%	97.3%
ECO100167	NGO100301	33%	92.1%	95.7%
ECO100167	NME201261	33%	92.2%	95.8%
ECO100167	PMU100460	46%	96.7%	99.3%
ECO100167	PRT104542	66%	77.3%	97.3%
ECO100167	PAE203656	42%	96.2%	96.1%
ECO100167	PPU105172	41%	93.7%	94.1%
ECO100167	PSY104380	42%	94.7%	94.8%
ECO100167	SPA100030	76%	41.9%	97.4%
ECO100167	STY103845	92%	100%	100%
ECO100167	VCH102228	53%	96.9%	98.0%
ECO100167	YPS001121	76%	98.8%	96.5%
ECO100169	ABA104000	72%	92.1%	88.8%
ECO100169	BAN100446	53%	76.8%	95.7%
ECO100169	BAN110084	53%	97.9%	98.7%
ECO100169	BFR104950	47%	97.1%	84.2%
ECO100169	BPT101108	59%	97.9%	97.2%
ECO100169	BBU100122	47%	92.5%	85.8%
ECO100169	BCE101166	55%	97.9%	98.0%
ECO100169	BFU101939	59%	92.5%	89.2%
ECO100169	BMA101604	56%	97.1%	98.8%
ECO100169	CJU101107	52%	98.8%	89.7%
ECO100169	CPN200048	43%	92.1%	79.8%
ECO100169	CTR200051	45%	88.8%	75.8%
ECO100169	CAC101756	52%	93.4%	97.0%
ECO100169	CBO103187	53%	93.4%	97.0%
ECO100169	CDF101764	54%	97.5%	99.2%
ECO100169	CDP101120	50%	93.4%	85.0%
ECO100169	EBC103098	97%	100%	100%
ECO100169	EFA200418	51%	99.2%	91.2%
ECO100169	ECO100169	100%	100%	100%
ECO100169	HIN100892	82%	100%	95.6%
ECO100169	HPY101531	47%	98.8%	90.9%
ECO100169	KPN301398	98%	95.0%	100%
ECO100169	LPN100646	57%	99.2%	94.9%
ECO100169	LMO100442	53%	99.2%	96.0%
ECO100169	MCA101251	67%	92.1%	81.9%
ECO100169	MAV106404	52%	92.9%	81.2%
ECO100169	MBV102282	52%	92.9%	78.0%
ECO100169	MLP100973	52%	92.9%	80.9%
ECO100169	MTU202852	52%	92.9%	78.0%
ECO100169	MGE100072	36%	92.1%	78.5%
ECO100169	MPN100623	39%	92.5%	76.2%
ECO100169	NGO100893	53%	99.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100169	NME200306	52%	99.2%	100%
ECO100169	PMU101984	84%	100%	95.2%
ECO100169	PRT105507	90%	100%	100%
ECO100169	PAE203654	73%	99.6%	97.2%
ECO100169	PPU107884	70%	93.8%	92.2%
ECO100169	PSY108183	72%	93.8%	84.6%
ECO100169	SPA101195	97%	100%	100%
ECO100169	STY103848	97%	100%	100%
ECO100169	STM103561	97%	100%	100%
ECO100169	SAU801256	51%	93.4%	88.2%
ECO100169	SEP201549	52%	93.4%	85.9%
ECO100169	SHA100713	50%	70.1%	81.2%
ECO100169	SMU100628	49%	99.6%	92.0%
ECO100169	SPN402017	48%	100%	93.1%
ECO100169	SPY201599	50%	100%	94.5%
ECO100169	TPA100599	48%	94.2%	78.0%
ECO100169	UUR100024	36%	91.3%	63.3%
ECO100169	VCH102226	82%	100%	100%
ECO100169	YPS001127	93%	100%	100%
ECO100170	ABA106144	54%	98.2%	97.9%
ECO100170	BAN110110	37%	94.3%	97.2%
ECO100170	BAN103067	47%	98.9%	99.0%
ECO100170	BFR10353	32%	90.5%	97.9%
ECO100170	BPT101109	49%	98.2%	97.9%
ECO100170	BBU100121	33%	87.6%	92.8%
ECO100170	BCE107064	48%	98.2%	96.9%
ECO100170	BFU100280	49%	98.2%	96.9%
ECO100170	BMA107429	49%	98.2%	96.9%
ECO100170	CJU101106	35%	98.2%	99.4%
ECO100170	CPN200047	33%	92.6%	99.6%
ECO100170	CTR200050	35%	86.9%	91.8%
ECO100170	CAC101812	44%	98.9%	99.3%
ECO100170	CBO101301	42%	98.6%	99.0%
ECO100170	CDF101762	43%	99.3%	100%
ECO100170	CDP101115	43%	92.9%	99.6%
ECO100170	EBC103096	95%	100%	100%
ECO100170	EFA200421	41%	99.3%	99.7%
ECO100170	ECO100170	100%	100%	100%
ECO100170	HIN100893	71%	98.9%	98.6%
ECO100170	HPY101532	36%	99.3%	100%
ECO100170	KPN301399	96%	100%	100%
ECO100170	LPN100716	52%	98.2%	98.6%
ECO100170	LMO102014	45%	99.6%	100%
ECO100170	MCA101252	52%	98.2%	97.6%
ECO100170	MAV106405	40%	92.9%	99.6%
ECO100170	MBV102285	39%	92.9%	99.6%
ECO100170	MLP100972	37%	92.9%	99.6%
ECO100170	MTU202851	39%	92.9%	99.6%
ECO100170	MGE100443	39%	97.2%	98.0%
ECO100170	MPN100211	40%	97.2%	98.0%
ECO100170	NGO100890	50%	99.3%	99.6%
ECO100170	NME200305	50%	99.3%	99.6%
ECO100170	PMU101985	74%	99.3%	99.6%
ECO100170	PRT104501	74%	99.3%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100170	PAE203653	57%	98.2%	97.6%
ECO100170	PPU107887	58%	98.2%	97.6%
ECO100170	PSY104373	58%	98.2%	97.6%
ECO100170	SPA101193	96%	100%	100%
ECO100170	STY103870	96%	100%	100%
ECO100170	STM103563	96%	100%	100%
ECO100170	SAU801257	43%	99.3%	100%
ECO100170	SEP201550	43%	98.2%	99.3%
ECO100170	SHA100714	43%	98.2%	99.3%
ECO100170	SMU100627	38%	98.2%	97.7%
ECO100170	SPN402016	39%	98.2%	97.7%
ECO100170	SPY201600	38%	98.2%	97.7%
ECO100170	TPA100598	30%	90.8%	95.9%
ECO100170	UUR100520	39%	97.9%	99.0%
ECO100170	VCH102225	70%	98.2%	98.9%
ECO100170	YPS001128	77%	100%	100%
ECO100171	ABA101328	60%	99.2%	100%
ECO100171	BAN107431	43%	97.5%	98.3%
ECO100171	BAN103009	48%	97.5%	98.3%
ECO100171	BFR104169	53%	90.0%	98.6%
ECO100171	BPT101110	55%	95.9%	97.1%
ECO100171	BCE109906	58%	95.9%	97.5%
ECO100171	BFU100279	57%	95.9%	97.5%
ECO100171	BMA109323	57%	95.9%	97.5%
ECO100171	CJU101199	49%	92.9%	94.1%
ECO100171	CPN200046	38%	96.3%	94.0%
ECO100171	CTR200049	38%	88.4%	88.2%
ECO100171	CAC103602	49%	96.7%	97.9%
ECO100171	CBO103420	47%	97.5%	97.9%
ECO100171	CDF101760	47%	97.1%	98.7%
ECO100171	CDP101114	44%	97.9%	96.7%
ECO100171	EBC103094	97%	100%	100%
ECO100171	EFA200424	48%	97.1%	97.9%
ECO100171	ECO100171	100%	100%	100%
ECO100171	HIN101042	77%	97.5%	99.2%
ECO100171	HPY100764	51%	93.8%	94.6%
ECO100171	KPN301400	98%	100%	100%
ECO100171	LPN101596	61%	95.9%	93.9%
ECO100171	LMO102234	47%	96.7%	97.1%
ECO100171	MCA100778	60%	98.3%	98.8%
ECO100171	MAV106392	46%	96.3%	87.2%
ECO100171	MBV102299	45%	96.3%	88.5%
ECO100171	MLP100970	46%	96.3%	82.8%
ECO100171	MTU202845	45%	96.3%	88.5%
ECO100171	MGE100444	35%	90.9%	90.5%
ECO100171	MPN100210	34%	95.0%	97.9%
ECO100171	NGO100888	53%	95.9%	96.7%
ECO100171	NME200304	53%	95.9%	96.7%
ECO100171	PMU101986	79%	98.3%	97.9%
ECO100171	PRT104887	91%	99.6%	99.2%
ECO100171	PAE203652	69%	97.9%	96.3%
ECO100171	PPU102433	69%	97.9%	95.5%
ECO100171	PSY104372	69%	96.7%	94.3%
ECO100171	SPA101722	94%	47.3%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100171	STY103871	98%	100%	100%
ECO100171	STM103564	98%	100%	100%
ECO100171	SAU801258	44%	96.7%	97.5%
ECO100171	SEP201551	45%	100%	100%
ECO100171	SHA100715	45%	100%	90.9%
ECO100171	SMU101143	47%	97.5%	96.3%
ECO100171	SPN400845	49%	97.9%	96.0%
ECO100171	SPY200331	48%	97.5%	97.5%
ECO100171	TPA100098	31%	25.3%	24.3%
ECO100171	UUR100519	35%	96.3%	98.7%
ECO100171	VCH102224	85%	100%	99.2%
ECO100171	YPS001129	90%	100%	100%
ECO100179	ABA101312	39%	97.7%	99.1%
ECO100179	BFR105934	35%	97.1%	96.0%
ECO100179	BPT101128	42%	91.5%	89.3%
ECO100179	BCE111319	41%	99.1%	98.3%
ECO100179	BFU114742	39%	96.5%	92.7%
ECO100179	BMA109885	39%	97.4%	96.1%
ECO100179	CJU100537	34%	95.3%	99.7%
ECO100179	CPN200450	34%	98.5%	94.7%
ECO100179	CTR200507	33%	99.1%	96.9%
ECO100179	CBO103766	28%	23.8%	84.3%
ECO100179	EBC103091	89%	100%	100%
ECO100179	ECO100179	100%	100%	100%
ECO100179	HIN100894	65%	98.5%	99.1%
ECO100179	HPY100193	31%	90.9%	91.4%
ECO100179	KPN301403	92%	90.6%	100%
ECO100179	LPN102597	35%	99.1%	99.7%
ECO100179	MCA100324	44%	87.7%	90.8%
ECO100179	NGO100826	38%	97.7%	96.3%
ECO100179	NME200082	38%	97.7%	96.3%
ECO100179	PMU101994	65%	98.2%	98.5%
ECO100179	PRT101247	80%	100%	99.7%
ECO100179	PAE203644	51%	98.2%	94.9%
ECO100179	PPU101150	49%	98.5%	95.7%
ECO100179	PSY104345	50%	98.2%	95.4%
ECO100179	SPA100512	85%	83.6%	58.2%
ECO100179	STY103879	95%	100%	100%
ECO100179	STM103592	95%	100%	100%
ECO100179	VCH102216	64%	100%	97.2%
ECO100179	YPS001147	82%	99.7%	100%
ECO100180	ABA101324	44%	94.0%	100%
ECO100180	BAN112058	43%	56.3%	92.2%
ECO100180	BAN101529	48%	92.1%	95.1%
ECO100180	BPT101129	51%	92.1%	94.7%
ECO100180	BCE105358	58%	96.0%	94.2%
ECO100180	BFU107782	52%	96.0%	93.5%
ECO100180	BFU105730	55%	96.7%	94.8%
ECO100180	BMA107929	57%	96.0%	94.2%
ECO100180	CJU100245	47%	90.1%	94.5%
ECO100180	CPN200094	44%	92.1%	91.5%
ECO100180	CTR200808	43%	90.1%	89.5%
ECO100180	CAC102008	45%	89.4%	94.3%
ECO100180	CBO103374	45%	90.7%	93.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100180	CDF104046	51%	25.8%	97.5%
ECO100180	CDF101479	42%	57.6%	95.5%
ECO100180	CDF100018	52%	78.8%	96.7%
ECO100180	EBC103090	93%	39.1%	78.7%
ECO100180	EBC100020	91%	57.0%	84.3%
ECO100180	EBC100023	91%	57.0%	84.3%
ECO100180	EFA203430	50%	90.1%	95.0%
ECO100180	EFM202041	50%	90.1%	96.4%
ECO100180	ECO100180	100%	100%	100%
ECO100180	HIN101039	68%	92.7%	93.9%
ECO100180	HPY101356	46%	88.7%	86.8%
ECO100180	KPN301913	97%	100%	100%
ECO100180	LPN101746	52%	84.8%	89.0%
ECO100180	LMO100873	51%	93.4%	96.5%
ECO100180	MCA100038	44%	96.0%	83.4%
ECO100180	MBV105275	29%	45.0%	31.9%
ECO100180	NGO100839	55%	92.7%	94.0%
ECO100180	NME200083	55%	92.7%	94.0%
ECO100180	PMU101995	70%	96.7%	95.4%
ECO100180	PRT101246	83%	97.4%	85.5%
ECO100180	PAE203643	54%	94.0%	98.6%
ECO100180	PPU101164	57%	92.1%	96.6%
ECO100180	PSY104344	56%	94.0%	98.6%
ECO100180	SPA100773	99%	100%	100%
ECO100180	STY103910	99%	100%	100%
ECO100180	STM103593	98%	100%	100%
ECO100180	SAU802098	46%	89.4%	91.1%
ECO100180	SEP204192	44%	89.4%	91.7%
ECO100180	SHA100083	38%	35.8%	93.1%
ECO100180	SMU100534	46%	92.1%	97.1%
ECO100180	SPN400384	46%	92.1%	97.1%
ECO100180	SPY201345	46%	92.1%	97.8%
ECO100180	VCH102215	64%	97.4%	96.1%
ECO100180	YPS001148	89%	100%	83.4%
ECO100183	ABA101887	65%	93.4%	98.9%
ECO100183	BAN111817	53%	82.3%	68.9%
ECO100183	BAN113438	54%	90.9%	69.6%
ECO100183	BFR12457	51%	88.4%	87.6%
ECO100183	BPT101141	58%	93.4%	92.0%
ECO100183	BBU100046	37%	89.4%	98.3%
ECO100183	BCE104245	60%	94.4%	87.4%
ECO100183	BFU105066	58%	92.4%	74.2%
ECO100183	BMA107189	60%	94.4%	87.4%
ECO100183	CJU100010	38%	87.9%	88.5%
ECO100183	CPN200642	41%	96.0%	88.8%
ECO100183	CTR200293	46%	92.4%	84.3%
ECO100183	CAC100322	41%	89.4%	71.7%
ECO100183	CBO102656	41%	91.9%	69.1%
ECO100183	CDF100890	49%	88.9%	69.0%
ECO100183	CDP101132	45%	79.8%	93.6%
ECO100183	EBC102552	89%	100%	100%
ECO100183	EFA201281	50%	91.9%	71.0%
ECO100183	EFM202475	51%	91.9%	72.1%
ECO100183	ECO100183	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100183	HIN101036	72%	96.5%	98.0%
ECO100183	HPY101305	33%	92.9%	91.9%
ECO100183	KPN301923	89%	100%	99.5%
ECO100183	LPN101418	62%	90.9%	93.2%
ECO100183	LMO102644	47%	91.9%	69.3%
ECO100183	MCA101524	38%	90.9%	85.8%
ECO100183	MAV102888	46%	91.4%	76.6%
ECO100183	MBV102296	48%	91.4%	69.3%
ECO100183	MLP100982	48%	91.4%	75.4%
ECO100183	MTU202864	48%	91.4%	69.3%
ECO100183	NGO100782	61%	92.9%	95.4%
ECO100183	NME200070	61%	92.9%	95.4%
ECO100183	PMU101998	72%	96.5%	97.5%
ECO100183	PRT101243	75%	98.5%	99.5%
ECO100183	PAE203640	71%	94.4%	93.0%
ECO100183	PPU101167	72%	92.4%	88.4%
ECO100183	PSY106718	71%	92.4%	82.4%
ECO100183	STY103913	92%	100%	100%
ECO100183	STM103626	92%	100%	100%
ECO100183	SAU801244	44%	92.9%	71.8%
ECO100183	SEP201538	45%	91.4%	69.2%
ECO100183	SHA101009	43%	91.4%	70.6%
ECO100183	SMU100101	45%	93.4%	71.9%
ECO100183	SPN401044	49%	91.4%	69.5%
ECO100183	SPY200888	46%	90.9%	69.2%
ECO100183	UUR100400	35%	38.9%	25.3%
ECO100183	VCH102212	73%	93.9%	90.3%
ECO100183	YPS001153	84%	97.5%	97.5%
ECO100184	ABA101411	48%	99.6%	96.4%
ECO100184	BAN112326	36%	99.2%	99.5%
ECO100184	BFR102018	33%	96.8%	95.0%
ECO100184	BPT101552	48%	99.7%	99.3%
ECO100184	BBU100578	38%	99.2%	98.1%
ECO100184	BCE115231	49%	99.9%	100%
ECO100184	BFU107633	47%	99.9%	99.7%
ECO100184	BMA101634	48%	99.9%	100%
ECO100184	CJU100668	39%	89.9%	88.7%
ECO100184	CPN200079	37%	92.5%	89.8%
ECO100184	CTR200821	36%	92.5%	90.0%
ECO100184	CAC103161	39%	90.5%	91.0%
ECO100184	CBO100607	34%	99.7%	99.8%
ECO100184	CBO101196	35%	99.6%	99.2%
ECO100184	CDF101163	40%	92.2%	91.0%
ECO100184	CDP101233	34%	98.8%	99.1%
ECO100184	EBC102553	94%	100%	100%
ECO100184	EFA202115	32%	96.2%	96.7%
ECO100184	EFM200294	32%	99.1%	99.5%
ECO100184	ECO100184	100%	100%	100%
ECO100184	HIN100720	71%	99.9%	99.8%
ECO100184	HPY101439	39%	92.5%	91.3%
ECO100184	KPN301922	95%	100%	100%
ECO100184	LPN102982	56%	99.6%	99.7%
ECO100184	LMO100629	35%	99.4%	99.8%
ECO100184	MCA102321	49%	89.4%	86.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100184	MAV100203	34%	7.7%	90.7%
ECO100184	MAV103371	35%	99.2%	99.5%
ECO100184	MBV102577	35%	97.8%	99.1%
ECO100184	MLP100747	35%	99.2%	99.5%
ECO100184	MTU201526	36%	98.8%	98.7%
ECO100184	MGE100266	27%	72.6%	89.6%
ECO100184	MPN100459	36%	18.4%	19.4%
ECO100184	NGO101860	47%	99.9%	100%
ECO100184	NME200585	47%	99.9%	100%
ECO100184	PMU100034	71%	99.9%	99.8%
ECO100184	PRT101242	85%	98.6%	100%
ECO100184	PAE203638	58%	99.5%	99.6%
ECO100184	PPU100137	58%	99.9%	99.9%
ECO100184	PSY104339	57%	99.5%	99.6%
ECO100184	SPA100912	92%	99.3%	100%
ECO100184	STY103914	96%	100%	100%
ECO100184	STM103627	96%	100%	100%
ECO100184	SAU801703	33%	93.0%	93.8%
ECO100184	SEP201707	33%	92.0%	92.4%
ECO100184	SHA100359	33%	96.0%	94.2%
ECO100184	SMU101018	30%	90.8%	92.0%
ECO100184	SPN400795	31%	95.3%	95.0%
ECO100184	SPY200987	29%	96.2%	96.8%
ECO100184	TPA100661	39%	92.8%	90.7%
ECO100184	UUR100419	29%	87.0%	94.4%
ECO100184	VCH102211	76%	100%	99.6%
ECO100184	YPS001155	88%	100%	99.1%
ECO100185	ABA100308	57%	80.9%	94.1%
ECO100185	BAN105768	55%	97.8%	95.4%
ECO100185	BPT101398	64%	99.4%	97.8%
ECO100185	BCE106451	64%	99.4%	97.2%
ECO100185	BFU100947	64%	99.4%	97.2%
ECO100185	BMA107589	64%	99.4%	97.2%
ECO100185	CJU100411	49%	98.4%	97.8%
ECO100185	CPN200335	44%	98.7%	96.3%
ECO100185	CTR200529	45%	98.7%	96.3%
ECO100185	CAC100492	52%	81.8%	95.3%
ECO100185	CBO102220	51%	89.3%	50.3%
ECO100185	CDF101403	50%	96.6%	97.1%
ECO100185	EBC102554	96%	100%	100%
ECO100185	EFA200247	52%	79.6%	96.9%
ECO100185	EFM200190	55%	81.5%	99.6%
ECO100185	ECO100185	100%	100%	100%
ECO100185	HIN100386	74%	99.7%	99.7%
ECO100185	HPY100550	48%	98.1%	96.8%
ECO100185	KPN301921	96%	100%	100%
ECO100185	LPN101352	62%	84.0%	99.3%
ECO100185	LMO100159	52%	98.4%	97.8%
ECO100185	MCA100190	60%	80.3%	100%
ECO100185	MLP100072	28%	46.4%	27.9%
ECO100185	NGO100369	64%	98.1%	97.2%
ECO100185	NME201237	64%	98.1%	97.2%
ECO100185	PMU100292	75%	99.7%	99.7%
ECO100185	PRT100667	69%	99.7%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100185	PRT101241	88%	99.7%	99.7%
ECO100185	PAE203637	69%	99.4%	99.4%
ECO100185	PPU101171	67%	99.4%	99.7%
ECO100185	PSY108491	67%	99.4%	99.1%
ECO100185	SPA100816	80%	88.4%	100%
ECO100185	STY103916	97%	100%	100%
ECO100185	STM103628	97%	100%	100%
ECO100185	SAU801700	52%	97.8%	98.4%
ECO100185	SEP201704	52%	97.8%	98.4%
ECO100185	SHA100923	52%	97.8%	98.1%
ECO100185	SMU100529	54%	79.9%	98.0%
ECO100185	SPN400387	50%	79.9%	98.4%
ECO100185	SPY201342	52%	79.9%	98.0%
ECO100185	VCH102210	75%	99.7%	99.7%
ECO100185	YPS001157	90%	99.7%	99.7%
ECO100193	CJU100189	40%	16.1%	23.4%
ECO100193	ECO100193	100%	100%	100%
ECO100193	KPN300059	73%	55.8%	100%
ECO100193	KPN301914	66%	88.7%	92.5%
ECO100193	TPA100217	26%	29.1%	82.4%
ECO100193	YPS000139	43%	83.6%	84.2%
ECO100194	ABA100529	68%	99.3%	100%
ECO100194	BAN100354	47%	99.0%	99.3%
ECO100194	BAN103931	51%	99.8%	100%
ECO100194	BFR100495	28%	33.2%	0.2%
ECO100194	BPT102439	60%	96.7%	96.5%
ECO100194	BBU100401	28%	87.1%	65.4%
ECO100194	BCE111561	67%	38.6%	99.5%
ECO100194	BFU106495	56%	99.8%	99.1%
ECO100194	BMA104091	56%	99.8%	99.1%
ECO100194	CJU100505	45%	99.7%	99.6%
ECO100194	CPN200251	43%	97.4%	97.5%
ECO100194	CTR200662	39%	99.7%	97.9%
ECO100194	CAC100467	49%	98.4%	97.4%
ECO100194	CBO100123	28%	98.6%	98.3%
ECO100194	CDF100404	47%	12.8%	76.6%
ECO100194	CDF100250	47%	98.6%	97.5%
ECO100194	CDP100483	40%	99.5%	99.1%
ECO100194	EBC102546	93%	99.8%	100%
ECO100194	EFA200454	47%	96.7%	95.8%
ECO100194	EFM201684	47%	99.0%	98.6%
ECO100194	ECO100194	100%	100%	100%
ECO100194	HIN100709	75%	99.7%	99.5%
ECO100194	HPY100234	39%	99.8%	99.7%
ECO100194	KPN301911	94%	96.0%	100%
ECO100194	LPN102483	71%	16.4%	100%
ECO100194	LMO100624	49%	99.0%	98.8%
ECO100194	MCA101839	60%	98.4%	99.5%
ECO100194	MAV102826	40%	97.4%	97.6%
ECO100194	MBV103229	40%	97.4%	97.6%
ECO100194	MLP100951	27%	93.0%	73.1%
ECO100194	MTU202807	40%	97.7%	97.3%
ECO100194	NGO100106	60%	98.4%	98.4%
ECO100194	NME201412	60%	98.4%	98.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100194	PMU101370	76%	99.0%	98.9%
ECO100194	PRT101177	79%	99.7%	99.8%
ECO100194	PAE200955	71%	99.7%	99.6%
ECO100194	PPU108855	68%	96.5%	99.6%
ECO100194	PSY105509	67%	99.8%	99.8%
ECO100194	SPA100809	89%	98.4%	100%
ECO100194	STY103990	95%	100%	100%
ECO100194	SAU801263	44%	99.5%	99.1%
ECO100194	SEP201556	46%	99.8%	99.5%
ECO100194	SHA101150	47%	98.3%	97.9%
ECO100194	SMU101082	40%	99.0%	99.2%
ECO100194	SPN400243	42%	99.0%	99.0%
ECO100194	SPY201510	41%	99.0%	98.9%
ECO100194	TPA100158	40%	93.7%	93.7%
ECO100194	VCH100859	71%	99.0%	99.1%
ECO100194	YPS002005	84%	99.8%	99.8%
ECO100195	ABA103785	37%	94.5%	93.0%
ECO100195	BAN110343	34%	40%	58.0%
ECO100195	CBO101676	39%	39.6%	91.4%
ECO100195	CDF101307	33%	43.8%	65.2%
ECO100195	EBC102547	82%	100%	100%
ECO100195	ECO100195	100%	100%	100%
ECO100195	HIN100489	51%	94.5%	92.9%
ECO100195	KPN301908	85%	100%	100%
ECO100195	MCA100700	39%	74.9%	93.7%
ECO100195	NGO100030	42%	98.7%	98.2%
ECO100195	NME200229	42%	96.2%	95.6%
ECO100195	PMU101170	54%	93.6%	89.4%
ECO100195	PRT101178	62%	100%	100%
ECO100195	PAE203386	48%	90.2%	89.6%
ECO100195	PPU108086	47%	90.2%	90%
ECO100195	PSY104415	45%	95.3%	95.2%
ECO100195	SPA100206	89%	37.9%	100%
ECO100195	STY103991	88%	100%	100%
ECO100195	VCH100860	52%	98.3%	99.1%
ECO100195	YPS002007	71%	100%	100%
ECO100197	ABA101419	34%	88.6%	99.2%
ECO100197	ABA101431	41%	81.9%	81.2%
ECO100197	BAN110744	44%	91.5%	96.2%
ECO100197	BAN101917	44%	94.5%	96.3%
ECO100197	BPT102034	47%	100%	100%
ECO100197	BCE106577	56%	87.1%	80.3%
ECO100197	BFU102067	50%	96.3%	95.9%
ECO100197	BMA104983	54%	97.0%	96.3%
ECO100197	CJU100709	37%	85.6%	89.9%
ECO100197	CJU101125	41%	80.4%	81.3%
ECO100197	CJU100710	42%	84.9%	87.9%
ECO100197	CJU100711	45%	82.3%	86.0%
ECO100197	CPN200473	31%	93.0%	93.8%
ECO100197	CAC100740	40%	95.2%	93.4%
ECO100197	CBO102481	33%	92.3%	92.6%
ECO100197	CBO101824	41%	94.5%	94.1%
ECO100197	CBO103909	45%	91.9%	92.2%
ECO100197	CDF100529	43%	97.8%	98.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100197	CDP100114	31%	98.2%	91.7%
ECO100197	CDP100115	32%	94.5%	88.3%
ECO100197	EBC102539	96%	100%	100%
ECO100197	EFA201785	40%	98.2%	97.5%
ECO100197	EFM201963	38%	98.2%	97.2%
ECO100197	ECO100197	100%	100%	100%
ECO100197	HIN100600	60%	98.9%	99.6%
ECO100197	HPY101541	42%	97.4%	97.8%
ECO100197	KPN301905	95%	100%	100%
ECO100197	LPN100686	45%	95.2%	98.8%
ECO100197	LMO100978	47%	94.5%	93.8%
ECO100197	MCA103679	55%	98.5%	99.3%
ECO100197	NGO101326	37%	96.3%	94.1%
ECO100197	NME200471	38%	96.3%	94.1%
ECO100197	PMU101730	58%	98.9%	99.6%
ECO100197	PRT100159	78%	100%	100%
ECO100197	PAE205500	47%	78.6%	81.2%
ECO100197	PPU101952	47%	78.6%	82.4%
ECO100197	PSY101363	51%	78.6%	82.1%
ECO100197	SPA101556	37%	88.2%	87.3%
ECO100197	STY103993	96%	100%	100%
ECO100197	STM100616	37%	88.2%	87.3%
ECO100197	SAU800839	36%	97.0%	98.2%
ECO100197	SEP201451	37%	97.0%	98.1%
ECO100197	SHA100334	38%	92.6%	93.0%
ECO100197	SHA101832	35%	97.0%	97.4%
ECO100197	SMU100488	33%	93.4%	93.6%
ECO100197	SPN400147	35%	96.7%	97.5%
ECO100197	SPY200233	36%	100%	100%
ECO100197	TPA100812	34%	98.9%	98.5%
ECO100197	VCH100889	68%	100%	97.8%
ECO100197	YPS002011	90%	100%	100%
ECO100198	ABA101423	45%	100%	99.1%
ECO100198	BAN105551	52%	76.0%	81.3%
ECO100198	BAN106583	47%	96.3%	94.6%
ECO100198	BPT103178	52%	100%	100%
ECO100198	BCE112661	54%	98.2%	100%
ECO100198	BFU102065	54%	100%	95.2%
ECO100198	BMA106456	54%	98.2%	100%
ECO100198	CJU100712	44%	89.4%	64.0%
ECO100198	CPN200472	36%	95.9%	94.1%
ECO100198	CAC101527	43%	96.3%	95.9%
ECO100198	CBO103376	48%	95.9%	98.6%
ECO100198	CDF100530	48%	92.6%	92.2%
ECO100198	CDP100111	39%	94.5%	91.1%
ECO100198	EBC102541	97%	100%	100%
ECO100198	EFA201706	46%	93.5%	89.0%
ECO100198	EFM202483	44%	94.9%	91.2%
ECO100198	ECO100198	100%	100%	100%
ECO100198	HPY101554	43%	96.3%	96.7%
ECO100198	KPN301904	95%	100%	100%
ECO100198	LPN101477	53%	99.1%	99.1%
ECO100198	LMO100259	45%	98.2%	95.5%
ECO100198	MCA103062	45%	98.6%	93.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100198	NGO101323	43%	96.3%	91.7%
ECO100198	NME200470	43%	96.3%	91.7%
ECO100198	PMU101729	49%	95.4%	90.8%
ECO100198	PRT100130	83%	100%	100%
ECO100198	PAE202349	48%	98.6%	98.6%
ECO100198	PPU109980	50%	97.7%	100%
ECO100198	PSY103687	48%	98.2%	94.7%
ECO100198	SPA100613	90%	85.3%	100%
ECO100198	STY103994	92%	97.7%	100%
ECO100198	STM100618	44%	93.5%	92.7%
ECO100198	SAU800463	50%	95.9%	95.0%
ECO100198	SEP201771	50%	95.9%	95.0%
ECO100198	SHA100333	46%	98.6%	89.0%
ECO100198	SMU100477	40%	97.2%	90.8%
ECO100198	SPN400150	41%	94.5%	88.7%
ECO100198	SPY200235	42%	94.5%	92.7%
ECO100198	TPA100118	40%	95.4%	95.0%
ECO100198	VCH100890	53%	96.8%	93.3%
ECO100198	YPS002016	90%	100%	100%
ECO100201	ABA104598	65%	100%	100%
ECO100201	BPT102715	65%	100%	100%
ECO100201	BCE100085	66%	99.3%	93.6%
ECO100201	EBC100779	90%	85.4%	97.9%
ECO100201	ECO100201	100%	100%	100%
ECO100201	KPN301057	90%	100%	100%
ECO100201	PRT104732	81%	100%	100%
ECO100201	PAE204164	65%	99.3%	97.4%
ECO100201	PPU111521	67%	100%	100%
ECO100201	SPA101642	90%	100%	100%
ECO100201	STY104030	91%	100%	100%
ECO100201	STM103710	92%	100%	100%
ECO100201	YPS002027	75%	100%	100%
ECO100223	BAN108547	31%	33.0%	38.5%
ECO100223	BAN105487	31%	44.4%	80%
ECO100223	ECO100223	100%	100%	100%
ECO100223	VCH100877	26%	64.8%	54.4%
ECO100223	YPS002852	49%	94.3%	84.2%
ECO100236	ABA101495	43%	99.5%	97.9%
ECO100236	BAN105079	42%	96.2%	95.7%
ECO100236	BAN100068	43%	98.6%	98.1%
ECO100236	BFR101900	41%	97.1%	96.9%
ECO100236	BPT102346	44%	99.8%	98.3%
ECO100236	BCE107136	45%	98.3%	89.0%
ECO100236	BMA109567	45%	98.3%	89.7%
ECO100236	CJU100520	38%	97.6%	97.8%
ECO100236	CAC102032	47%	97.8%	96.7%
ECO100236	CDP101216	45%	96.2%	93.5%
ECO100236	EBC103210	88%	100%	100%
ECO100236	EFA200208	46%	99.8%	99.3%
ECO100236	EFM200382	46%	99.5%	99.0%
ECO100236	ECO100236	100%	100%	100%
ECO100236	HIN101211	62%	99.8%	99.8%
ECO100236	KPN302476	86%	100%	100%
ECO100236	LPN100519	40%	98.1%	97.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100236	LMO101153	46%	99.5%	99.0%
ECO100236	MAV103439	48%	96.9%	90.1%
ECO100236	MBV104414	47%	96.6%	93.3%
ECO100236	MLP100899	45%	97.8%	96.8%
ECO100236	MTU202391	47%	96.6%	93.3%
ECO100236	NGO101136	44%	97.8%	97.4%
ECO100236	NME201166	45%	97.8%	97.4%
ECO100236	PMU100936	65%	99.8%	99.0%
ECO100236	PRT105196	71%	99.8%	99.8%
ECO100236	PAE204004	48%	99.5%	97.9%
ECO100236	PPU112135	43%	96.2%	98.5%
ECO100236	PSY105063	45%	99.5%	97.4%
ECO100236	SPA104265	83%	100%	100%
ECO100236	STY104449	86%	100%	100%
ECO100236	STM103861	86%	100%	100%
ECO100236	SMU101435	48%	99.8%	99.3%
ECO100236	SPN400833	46%	97.4%	97.1%
ECO100236	SPY201284	47%	99.5%	99.0%
ECO100236	TPA100346	44%	97.6%	97.9%
ECO100236	VCH102239	58%	99.8%	99.3%
ECO100236	YPS002651	72%	100%	99.5%
ECO100239	BFU102395	50%	89.2%	65.3%
ECO100239	EBC103227	98%	63.9%	100%
ECO100239	ECO102590	81%	90.5%	89.4%
ECO100239	ECO101961	81%	93.7%	100%
ECO100239	ECO100239	100%	100%	100%
ECO100239	LPN103162	46%	66.5%	95.5%
ECO100239	SEP200678	37%	43.7%	65.7%
ECO100240	EBC103228	85%	100%	72.0%
ECO100240	ECO100240	100%	100%	100%
ECO100240	KPN202940	29%	86.8%	94.4%
ECO100240	KPN204064	29%	87.5%	95.7%
ECO100240	KPN200664	29%	86.8%	94.4%
ECO100240	PRT102844	43%	73.7%	100%
ECO100245	EBC103236	92%	99.7%	100%
ECO100245	ECO100245	100%	100%	100%
ECO100245	NME200125	22%	84.0%	81.8%
ECO100255	ABA104682	35%	80.8%	32.0%
ECO100255	ECO100255	100%	100%	100%
ECO100255	HIN100123	69%	83.3%	28.0%
ECO100255	PMU100956	75%	85.8%	25.5%
ECO100255	PRT102521	90%	85.8%	26.2%
ECO100255	VCH103408	81%	85.8%	25%
ECO100256	EBC101194	98%	31.7%	100%
ECO100256	EBC101311	92%	47.3%	98.8%
ECO100256	EBC103715	88%	58.1%	100%
ECO100256	EBC103943	90%	74.9%	100%
ECO100256	EBC104524	90%	74.9%	100%
ECO100256	EBC103604	99%	100%	100%
ECO100256	ECO100266	100%	100%	100%
ECO100256	ECO100256	100%	100%	100%
ECO100256	KPN302635	99%	100%	100%
ECO100256	KPN301602	99%	100%	100%
ECO100256	KPN303307	99%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100256	KPN306562	99%	100%	100%
ECO100256	KPN308721	99%	100%	100%
ECO100256	KPN302324	99%	100%	100%
ECO100256	KPN301774	99%	100%	100%
ECO100256	KPN301257	97%	47.9%	100%
ECO100256	KPN300832	91%	56.3%	100%
ECO100256	KPN302225	100%	65.9%	100%
ECO100256	KPN300593	96%	98.8%	100%
ECO100256	KPN302471	99%	100%	100%
ECO100256	KPN300357	99%	100%	100%
ECO100256	KPN300875	99%	100%	100%
ECO100256	STY100327	99%	100%	100%
ECO100256	STY104877	99%	100%	100%
ECO100256	STY104954	99%	100%	100%
ECO100257	EBC103602	100%	100%	100%
ECO100257	ECO100257	100%	100%	100%
ECO100257	ECO100267	100%	100%	100%
ECO100257	KPN302325	100%	100%	100%
ECO100257	KPN308692	100%	100%	100%
ECO100257	KPN306262	100%	100%	100%
ECO100257	KPN301718	98%	58.2%	89.8%
ECO100257	KPN301773	100%	82.4%	90.4%
ECO100257	KPN305294	95%	100%	100%
ECO100257	KPN302468	100%	100%	100%
ECO100257	KPN300876	100%	100%	100%
ECO100257	KPN301600	100%	100%	100%
ECO100257	KPN303306	100%	100%	100%
ECO100257	KPN302228	100%	100%	100%
ECO100257	NGO100079	32%	81.3%	38.4%
ECO100257	STY100087	100%	100%	100%
ECO100257	STY105122	100%	100%	100%
ECO100257	STY104783	100%	100%	100%
ECO100262	BFR11395	35%	96.3%	98.5%
ECO100262	EBC102936	98%	100%	100%
ECO100262	ECO100262	100%	100%	100%
ECO100262	SPN401706	27%	21.1%	25.4%
ECO100298	BAN105357	48%	100%	100%
ECO100298	BAN100434	51%	100%	99.6%
ECO100298	BFR102281	32%	100%	99.6%
ECO100298	BCE100671	35%	99.6%	91.3%
ECO100298	BFU114123	36%	98.7%	98.3%
ECO100298	BMA102603	37%	98.7%	98.3%
ECO100298	CJU100066	33%	99.2%	95.9%
ECO100298	CDP101095	42%	99.6%	92.7%
ECO100298	EFA201476	44%	98.7%	92.9%
ECO100298	ECO100298	100%	100%	100%
ECO100298	HPY100137	36%	100%	98.8%
ECO100298	NGO101247	35%	99.6%	91.5%
ECO100298	NME201508	35%	99.6%	91.5%
ECO100298	PMU101853	73%	100%	100%
ECO100298	PRT100774	72%	100%	100%
ECO100298	PRT101849	78%	99.6%	97.1%
ECO100315	BCE100919	27%	28.8%	31.5%
ECO100315	EBC101762	85%	99.4%	98.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100315	ECO100315	100%	100%	100%
ECO100350	ECO100350	100%	100%	100%
ECO100361	ABA100700	46%	97.0%	95.2%
ECO100361	BAN101055	43%	93.7%	97.5%
ECO100361	BAN100517	51%	93.1%	95.1%
ECO100361	BPT100922	45%	93.7%	94.7%
ECO100361	BCE101370	45%	93.7%	96.4%
ECO100361	BFU101599	44%	94.9%	97.0%
ECO100361	BMA104829	46%	93.7%	96.4%
ECO100361	CJU100923	51%	94.3%	98.2%
ECO100361	CPN200001	45%	92.8%	94.6%
ECO100361	CTR200001	43%	93.4%	94.9%
ECO100361	CAC102676	49%	94.3%	99.1%
ECO100361	CBO101832	48%	93.4%	96.9%
ECO100361	CDF102168	49%	94.6%	98.5%
ECO100361	CDP100775	49%	94.9%	98.8%
ECO100361	EBC102698	93%	66.9%	100%
ECO100361	ECO100361	100%	100%	100%
ECO100361	HPY100160	51%	94.0%	98.1%
ECO100361	KPN308372	91%	96.7%	100%
ECO100361	LPN101016	50%	93.4%	95.2%
ECO100361	LMO100837	51%	95.2%	98.8%
ECO100361	MCA101135	46%	93.1%	95.2%
ECO100361	MAV107884	48%	93.4%	97.2%
ECO100361	MBV102362	47%	93.4%	96.9%
ECO100361	MLP101436	46%	93.1%	96.0%
ECO100361	MTU200510	47%	93.4%	96.4%
ECO100361	NGO100861	43%	93.4%	94.1%
ECO100361	NME200933	44%	93.4%	94.1%
ECO100361	PMU101692	41%	93.7%	94.1%
ECO100361	PRT102370	77%	95.2%	98.2%
ECO100361	PAE205238	40%	93.7%	94.7%
ECO100361	PPU110651	76%	94.3%	97.5%
ECO100361	PSY101277	42%	94.0%	95.2%
ECO100361	SPA101546	90%	85.4%	99.6%
ECO100361	STY104591	93%	96.7%	100%
ECO100361	SAU801668	49%	92.8%	96.9%
ECO100361	SEP201642	49%	92.8%	96.9%
ECO100361	SHA101765	42%	58.5%	98.0%
ECO100361	VCH100105	44%	93.7%	92.2%
ECO100361	YPS000599	43%	93.7%	94.1%
ECO100362	ECO100362	100%	100%	100%
ECO100366	BFR101178	24%	34.9%	57.0%
ECO100366	CJU100896	19%	55.0%	36.6%
ECO100366	CDP102949	27%	21.6%	9.1%
ECO100366	EBC102756	70%	96.6%	100%
ECO100366	ECO100366	100%	100%	100%
ECO100366	LPN101403	23%	25.9%	39.1%
ECO100366	PRT103239	21%	51.8%	36.1%
ECO100366	SPA101548	89%	70.7%	100%
ECO100366	STY104592	89%	97.0%	47.2%
ECO100366	STM104306	91%	100%	47.8%
ECO100367	EBC102015	28%	77.0%	100%
ECO100367	EBC102758	51%	91.0%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100367	ECO100367	100%	100%	100%
ECO100367	KPN304631	34%	78.8%	100%
ECO100367	SPA101549	68%	98.6%	100%
ECO100367	STY104593	71%	93.2%	100%
ECO100367	STM104307	71%	93.2%	100%
ECO100381	EBC102823	83%	96.8%	96.8%
ECO100381	ECO100381	100%	100%	100%
ECO100381	KPN304881	79%	98.4%	98.4%
ECO100381	STY100328	95%	98.4%	98.4%
ECO100381	STM104352	93%	98.4%	98.4%
ECO100390	ABA100709	34%	73.5%	72.5%
ECO100390	BAN111886	25%	64.5%	73.0%
ECO100390	BAN113193	23%	98.5%	97.9%
ECO100390	BFR11820	28%	96%	99.2%
ECO100390	BPT100403	35%	21.2%	23.5%
ECO100390	BBU100828	26%	82.8%	82.6%
ECO100390	BCE105254	23%	22.8%	24.4%
ECO100390	BFU106002	34%	21.5%	23.4%
ECO100390	CAC100402	26%	84%	85.3%
ECO100390	CBO100412	26%	92.2%	92.2%
ECO100390	CDF103755	25%	89.5%	92.6%
ECO100390	CDP101084	24%	62%	58.7%
ECO100390	EBC101912	81%	99.8%	98.3%
ECO100390	EFA200864	26%	97.2%	97.9%
ECO100390	EFM200128	24%	96%	99.5%
ECO100390	ECO100390	100%	100%	100%
ECO100390	KPN308651	78%	99.8%	99.5%
ECO100390	LMO102080	27%	96.8%	97.6%
ECO100390	MCA101153	32%	95.8%	90.7%
ECO100390	MAV100736	24%	62%	58.2%
ECO100390	MLP100687	27%	21.2%	23.0%
ECO100390	MTU406882	27%	21.2%	30.2%
ECO100390	PRT101271	55%	96.8%	96.3%
ECO100390	PAE204279	31%	92%	91.4%
ECO100390	PPU105701	33%	92%	92.2%
ECO100390	PSY101474	31%	99.8%	99.5%
ECO100390	SPA101178	81%	100%	98.3%
ECO100390	STY100355	83%	100%	100%
ECO100390	SAU801345	23%	97.8%	98.9%
ECO100390	SEP202011	21%	97.8%	98.9%
ECO100390	SHA100866	23%	72.2%	73.8%
ECO100390	SPN201925	26%	16%	16.3%
ECO100390	TPA100619	26%	63.2%	62.9%
ECO100390	VCH103245	28%	72.8%	74.4%
ECO100390	YPS002608	60%	98.8%	96.9%
ECO100394	ABA104913	59%	99.6%	97.2%
ECO100394	BAN112358	49%	94.7%	95.8%
ECO100394	BAN100163	52%	98.2%	97.6%
ECO100394	BCE101232	61%	94.7%	100%
ECO100394	BMA101593	62%	95.2%	96.0%
ECO100394	EBC101456	91%	54.9%	100%
ECO100394	EFA201477	33%	98.7%	98%
ECO100394	ECO100394	100%	100%	100%
ECO100394	KPN304910	93%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100394	MPN100528	22%	71.8%	65.7%
ECO100394	PRT102253	60%	96.9%	97.6%
ECO100394	PAE205092	63%	95.6%	94.2%
ECO100394	PPU106756	60%	93.2%	95.3%
ECO100394	PSY101310	63%	96.9%	97.2%
ECO100394	SPA101112	94%	98.0%	99.6%
ECO100394	STY100389	95%	99.6%	99.8%
ECO100394	STM100031	95%	99.6%	99.8%
ECO100394	YPS002596	81%	98.7%	97.4%
ECO100395	BAN101050	31%	73.1%	70.0%
ECO100395	BAN109230	33%	73.1%	69.8%
ECO100395	BFR12473	26%	64.0%	70.0%
ECO100395	CAC100478	27%	64.1%	82.9%
ECO100395	CDF104139	31%	74.4%	71.2%
ECO100395	EBC101457	84%	79.0%	100%
ECO100395	EFA202423	30%	68.6%	65.8%
ECO100395	EFM200019	29%	82.5%	82.5%
ECO100395	ECO100395	100%	100%	100%
ECO100395	KPN304911	79%	99.5%	99.5%
ECO100395	LMO100614	31%	73.2%	70.7%
ECO100395	SPA105253	92%	4.5%	90%
ECO100395	SPA101113	81%	44.1%	100%
ECO100395	STY100390	83%	99.8%	99.8%
ECO100395	STM100032	83%	99.8%	99.8%
ECO100395	SPN400948	29%	72.9%	70.0%
ECO100395	SPY201005	32%	75.0%	73.0%
ECO100395	YPS002575	57%	99.5%	99.0%
ECO100402	BAN107351	47%	26.1%	35.6%
ECO100402	BFR102271	29%	60.9%	24.5%
ECO100402	EBC103463	93%	100%	100%
ECO100402	ECO100402	100%	100%	100%
ECO100402	KPN301340	90%	100%	97.5%
ECO100402	PRT101447	89%	100%	100%
ECO100402	PPU108585	56%	88.7%	79.7%
ECO100402	PSY105486	56%	88.7%	79.0%
ECO100402	SPA103227	96%	100%	100%
ECO100402	STY100420	96%	100%	100%
ECO100402	STM100071	96%	100%	100%
ECO100402	YPS000205	82%	98.3%	100%
ECO100404	EBC101277	64%	58.8%	100%
ECO100404	ECO100404	100%	100%	100%
ECO100404	KPN303448	70%	88.4%	97.8%
ECO100404	SPA103216	73%	89.9%	100%
ECO100404	STY100423	74%	89.9%	100%
ECO100407	ABA103638	62%	91.7%	91.0%
ECO100407	BAN110020	44%	96.2%	100%
ECO100407	BAN104354	54%	96.2%	97.4%
ECO100407	BFR104554	42%	88.5%	83.5%
ECO100407	BPT100012	39%	94.9%	85.5%
ECO100407	BCE102848	40%	96.2%	84.8%
ECO100407	BFU108808	42%	96.8%	86.9%
ECO100407	BMA102272	41%	93.6%	81.5%
ECO100407	CJU100351	50%	98.7%	100%
ECO100407	CPN200977	27%	98.7%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100407	CTR200105	37%	99.4%	98.7%
ECO100407	CAC100789	52%	98.7%	98.7%
ECO100407	CBO101079	57%	98.7%	99.4%
ECO100407	CDF101258	55%	97.4%	95.6%
ECO100407	CDP100290	42%	94.2%	92.3%
ECO100407	EBC101280	98%	100%	100%
ECO100407	ECO100407	100%	100%	100%
ECO100407	HIN101269	76%	100%	90.2%
ECO100407	HPY100002	50%	99.4%	99.4%
ECO100407	KPN308524	100%	100%	87.2%
ECO100407	LPN100108	43%	90.4%	90.3%
ECO100407	MCA103693	60%	90.4%	85.4%
ECO100407	MAV100814	44%	91.7%	85.9%
ECO100407	MBV102145	44%	91.7%	87.5%
ECO100407	MLP100346	42%	90.4%	88.8%
ECO100407	MTU201397	44%	91.7%	90.9%
ECO100407	NGO100984	45%	96.8%	94.3%
ECO100407	NME200821	44%	96.8%	94.3%
ECO100407	PMU100731	73%	100%	99.4%
ECO100407	PRT100213	83%	99.4%	99.4%
ECO100407	PAE204050	56%	100%	98.1%
ECO100407	PPU104481	57%	100%	98.1%
ECO100407	PSY108754	52%	100%	98.1%
ECO100407	SPA108738	90%	100%	90.2%
ECO100407	STY100427	91%	100%	100%
ECO100407	STM100098	91%	100%	100%
ECO100407	SAU801767	58%	82.7%	96.2%
ECO100407	SEP202131	56%	96.2%	97.4%
ECO100407	SHA101039	58%	94.9%	96.7%
ECO100407	SPN400161	54%	100%	100%
ECO100407	VCH102234	65%	98.7%	89.0%
ECO100407	YPS002509	86%	99.4%	99.4%
ECO100408	ABA101072	44%	97.8%	91.3%
ECO100408	BAN105057	32%	87.8%	93.1%
ECO100408	BAN110216	35%	87.8%	93.1%
ECO100408	BFR105998	27%	62.6%	28.6%
ECO100408	BPT100014	45%	95.0%	88.3%
ECO100408	BBU100107	33%	85.6%	86.2%
ECO100408	BCE111817	43%	97.8%	93.8%
ECO100408	BFU113008	42%	97.1%	93.8%
ECO100408	BMA102557	44%	97.8%	93.8%
ECO100408	CJU100350	34%	89.9%	93.9%
ECO100408	CPN200850	23%	91.4%	78.5%
ECO100408	CTR200214	25%	90.6%	79.3%
ECO100408	CAC103566	31%	87.8%	91.1%
ECO100408	CBO100362	33%	89.2%	97.2%
ECO100408	CDF101805	31%	66.9%	55.6%
ECO100408	CDP100352	32%	91.4%	66.8%
ECO100408	EBC101281	93%	100%	100%
ECO100408	EFA202204	34%	87.8%	81.5%
ECO100408	EFM100580	31%	90.6%	91.3%
ECO100408	ECO100408	100%	100%	100%
ECO100408	HIN101270	54%	95.7%	92.4%
ECO100408	HPY100001	30%	89.9%	90.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100408	KPN308025	94%	100%	100%
ECO100408	LPN101606	40%	93.5%	88.4%
ECO100408	LMO102626	37%	91.4%	96.1%
ECO100408	MCA103036	34%	94.2%	82.3%
ECO100408	MAV101907	36%	87.8%	80.8%
ECO100408	MBV101339	34%	87.8%	43.4%
ECO100408	MLP100320	35%	89.2%	67.4%
ECO100408	MTU202496	34%	87.8%	80.8%
ECO100408	NGO100982	42%	96.4%	95.0%
ECO100408	NME200820	42%	96.4%	95.0%
ECO100408	PMU100730	63%	95.7%	92.4%
ECO100408	PRT103311	74%	74.8%	100%
ECO100408	PAE204049	55%	96.4%	84.3%
ECO100408	PPU111159	53%	96.4%	80.7%
ECO100408	PSY102195	51%	96.4%	81.2%
ECO100408	SPA103662	94%	40.3%	100%
ECO100408	STY100428	96%	100%	100%
ECO100408	STM100099	96%	100%	100%
ECO100408	SAU801524	34%	88.5%	95.3%
ECO100408	SEP200894	35%	88.5%	95.3%
ECO100408	SHA100990	34%	88.5%	96.1%
ECO100408	SMU101206	31%	89.9%	90.2%
ECO100408	SPN400390	34%	89.9%	87.0%
ECO100408	SPY201398	30%	89.9%	88%
ECO100408	TPA101005	35%	90.6%	91.5%
ECO100408	UUR100302	28%	54.0%	59.8%
ECO100408	VCH102233	53%	97.1%	95.5%
ECO100408	YPS002505	84%	99.3%	100%
ECO100409	ABA105144	46%	98.2%	99.3%
ECO100409	BFR11172	30%	97.5%	95.9%
ECO100409	BPT100016	43%	98.2%	93.8%
ECO100409	BCE110120	53%	52%	85%
ECO100409	BFU102731	49%	97.8%	97.3%
ECO100409	BMA107273	44%	96.9%	99.1%
ECO100409	CJU101376	27%	82.5%	88.6%
ECO100409	CDP100279	31%	74.8%	72.3%
ECO100409	EBC101282	84%	99.4%	100%
ECO100409	ECO100409	100%	100%	100%
ECO100409	HIN101271	52%	99.1%	93.9%
ECO100409	KPN303432	84%	99.4%	100%
ECO100409	LPN101227	52%	82.2%	83.3%
ECO100409	MCA103652	39%	91.7%	99.7%
ECO100409	MAV101439	35%	82.8%	82.4%
ECO100409	MBV102049	36%	82.8%	81.4%
ECO100409	MLP101022	35%	81.8%	82.5%
ECO100409	MTU202939	36%	82.8%	81.4%
ECO100409	NGO100695	42%	97.8%	99.1%
ECO100409	NME201944	43%	97.8%	99.1%
ECO100409	PMU100729	53%	99.1%	99.7%
ECO100409	PRT100038	67%	99.1%	98.8%
ECO100409	PAE204048	45%	98.8%	98.8%
ECO100409	PPU104483	45%	98.2%	98.1%
ECO100409	PSY102181	47%	99.1%	99.4%
ECO100409	SPA103660	87%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100409	STY100439	87%	100%	100%
ECO100409	STM100100	88%	100%	100%
ECO100409	VCH102232	54%	99.1%	96.1%
ECO100409	YPS002502	75%	99.7%	98.5%
ECO100424	ABA103655	43%	93.7%	96.9%
ECO100424	BAN111570	28%	72.4%	88.2%
ECO100424	BAN110867	33%	85.1%	92.4%
ECO100424	BPT102774	55%	85.7%	88.8%
ECO100424	BCE104834	59%	78.1%	93.5%
ECO100424	BFU101934	57%	83.2%	93.5%
ECO100424	BMA107732	57%	88.6%	92.6%
ECO100424	BMA109512	56%	89.5%	97.2%
ECO100424	CDP100360	28%	24.8%	21.0%
ECO100424	EBC101217	95%	100%	100%
ECO100424	ECO100424	100%	100%	100%
ECO100424	KPN303418	85%	47.9%	100%
ECO100424	LMO100640	34%	94.0%	81.0%
ECO100424	MAV102952	26%	39.0%	37.5%
ECO100424	MBV101465	22%	42.9%	27.2%
ECO100424	MTU202140	22%	42.9%	25%
ECO100424	PRT103954	67%	98.4%	98.4%
ECO100424	PAE201316	57%	95.2%	90.0%
ECO100424	PPU101498	57%	97.5%	99.7%
ECO100424	PSY104255	56%	96.5%	96.5%
ECO100424	SPA102308	76%	100%	100%
ECO100424	STY100721	95%	100%	99.1%
ECO100424	SAU801061	35%	81.0%	68.0%
ECO100424	SEP200354	38%	81.0%	66.6%
ECO100424	SHA100551	40%	58.4%	59.5%
ECO100424	YPS001897	66%	96.5%	99.7%
ECO100430	ABA101466	71%	93.6%	91.3%
ECO100430	BAN100418	59%	22.6%	96.9%
ECO100430	BAN109620	38%	94.3%	97.8%
ECO100430	BAN107278	65%	68.2%	93.4%
ECO100430	BAN111361	61%	96.5%	96.4%
ECO100430	BFR100135	54%	86.1%	94.8%
ECO100430	BPT100486	71%	100%	93.2%
ECO100430	BBU100611	53%	96.7%	95.8%
ECO100430	BCE114986	74%	97.4%	97.6%
ECO100430	BFU100995	73%	97.4%	97.6%
ECO100430	BMA101609	73%	97.4%	97.6%
ECO100430	CJU100247	55%	94.6%	96.2%
ECO100430	CPN201004	57%	96.0%	98.3%
ECO100430	CTR200078	57%	96.0%	98.3%
ECO100430	CAC101555	61%	96.9%	94.7%
ECO100430	CBO100837	62%	97.4%	93.7%
ECO100430	CDF102979	61%	96.5%	97.8%
ECO100430	CDP101237	61%	96.2%	96.7%
ECO100430	EBC101545	95%	98.3%	100%
ECO100430	EFA202273	60%	95.5%	96.6%
ECO100430	EFM101238	60%	96.5%	97.6%
ECO100430	ECO100430	100%	100%	100%
ECO100430	HIN100694	69%	97.4%	100%
ECO100430	HPY101354	51%	94.3%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100430	KPN301083	98%	100%	100%
ECO100430	LMO102362	62%	96.2%	96.2%
ECO100430	MCA101655	65%	93.4%	97.0%
ECO100430	MAV102304	62%	96.0%	96.0%
ECO100430	MBV101048	61%	96.9%	96.9%
ECO100430	MLP100910	61%	96.2%	96.2%
ECO100430	MTU202421	61%	96.9%	96.9%
ECO100430	NGO101085	69%	94.1%	97.8%
ECO100430	NME201444	69%	94.1%	97.8%
ECO100430	PMU101977	73%	94.6%	98.1%
ECO100430	PRT101501	88%	100%	100%
ECO100430	PAE201801	77%	98.3%	97.9%
ECO100430	PPU109917	77%	98.8%	98.4%
ECO100430	PSY107890	77%	98.3%	97.9%
ECO100430	SPA102998	97%	98.8%	99.8%
ECO100430	STY100725	97%	100%	100%
ECO100430	STM100438	98%	100%	100%
ECO100430	SAU801674	61%	94.1%	94.0%
ECO100430	SEP201649	61%	94.1%	94.0%
ECO100430	SHA100379	56%	44.8%	92.5%
ECO100430	SMU100958	59%	94.1%	96.6%
ECO100430	SPN401426	58%	96.7%	98.8%
ECO100430	SPY200660	59%	94.1%	96.8%
ECO100430	TPA100504	56%	93.6%	95.4%
ECO100430	VCH101891	84%	100%	100%
ECO100430	YPS001881	92%	100%	100%
ECO100431	ABA100033	61%	24.2%	90.3%
ECO100431	ABA105304	55%	97.6%	95.2%
ECO100431	BAN104528	44%	96.9%	99.6%
ECO100431	BAN103992	53%	97.7%	96.3%
ECO100431	BFR11925	45%	97.4%	94.3%
ECO100431	BPT100489	68%	98.2%	95.5%
ECO100431	BBU100612	39%	97.7%	97.3%
ECO100431	BCE108504	69%	98.2%	95.3%
ECO100431	BFU100993	70%	98.5%	95.5%
ECO100431	BMA107557	69%	99.4%	96.6%
ECO100431	CJU100999	39%	97.1%	98.4%
ECO100431	CPN200737	40%	97.8%	95.1%
ECO100431	CTR200613	40%	97.1%	94.6%
ECO100431	CAC100342	47%	97.1%	98.1%
ECO100431	CBO101096	50%	98.0%	99.6%
ECO100431	CDF102998	52%	97.2%	97.3%
ECO100431	EBC101544	98%	54.5%	100%
ECO100431	ECO100431	100%	100%	100%
ECO100431	HIN100442	74%	98.3%	96.3%
ECO100431	HPY101359	39%	97.1%	98.9%
ECO100431	KPN301084	96%	62.6%	100%
ECO100431	MCA100771	52%	98.9%	96.8%
ECO100431	MAV107390	50%	47.6%	95.6%
ECO100431	MLP100403	40%	8.2%	19.4%
ECO100431	MGE100244	41%	96.2%	98.2%
ECO100431	MPN100504	40%	96.2%	98.2%
ECO100431	NGO100249	65%	98.1%	95.5%
ECO100431	NME201277	65%	98.9%	97.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100431	PMU101978	75%	99.4%	96.8%
ECO100431	PRT101500	88%	100%	100%
ECO100431	PAE201802	70%	97.8%	96.0%
ECO100431	PPU106533	70%	97.8%	96.0%
ECO100431	PSY103927	69%	97.8%	96.0%
ECO100431	SPA102997	99%	100%	98.4%
ECO100431	STY100726	99%	100%	100%
ECO100431	STM100439	99%	100%	100%
ECO100431	SPN401780	25%	15.9%	41.4%
ECO100431	SPY101613	24%	13.8%	42.9%
ECO100431	TPA100519	43%	98.3%	87.7%
ECO100431	UUR100350	40%	96.7%	99.0%
ECO100431	VCH101890	82%	100%	99.6%
ECO100431	YPS001875	91%	100%	100%
ECO100435	ABA106138	24%	96.2%	84.2%
ECO100435	BFR102134	27%	79.5%	78.4%
ECO100435	BFU104105	26%	95.5%	83.9%
ECO100435	CAC102936	39%	55.3%	54.1%
ECO100435	EBC102273	87%	99.2%	99.2%
ECO100435	ECO100435	100%	100%	100%
ECO100435	KPN302385	85%	98.5%	97.7%
ECO100435	LPN102857	30%	85.6%	83.1%
ECO100435	MCA100454	24%	78.8%	64.6%
ECO100435	MAV107513	22%	97.0%	94.2%
ECO100435	MBV101527	26%	96.2%	92.8%
ECO100435	MTU202439	26%	96.2%	92.8%
ECO100435	NGO101290	40%	96.2%	97.6%
ECO100435	NME200457	40%	96.2%	97.6%
ECO100435	PRT106164	55%	97.0%	94.8%
ECO100435	SPA102993	93%	100%	100%
ECO100435	STY100750	94%	100%	100%
ECO100435	STM100443	94%	100%	100%
ECO100435	SPN401264	26%	75.8%	33.1%
ECO100435	TPA100154	37%	90.2%	88.8%
ECO100435	YPS001867	69%	99.2%	97.0%
ECO100445	BAN103966	24%	61.1%	4.8%
ECO100445	BAN105784	24%	61.1%	43.0%
ECO100445	BMA103371	31%	43.7%	23.7%
ECO100445	CJU101094	30%	44.2%	93.3%
ECO100445	EBC101949	75%	81.6%	98.1%
ECO100445	ECO100445	100%	100%	100%
ECO100445	KPN302393	70%	84.2%	98.8%
ECO100445	MAV100663	25%	55.3%	53.0%
ECO100445	PAE203672	38%	54.2%	77.3%
ECO100445	PPU105141	40%	52.1%	74.2%
ECO100445	PSY107733	35%	53.2%	98.1%
ECO100445	SPA103161	84%	100%	100%
ECO100445	STY100781	88%	100%	100%
ECO100445	STM100473	88%	100%	100%
ECO100445	VCH101045	43%	47.9%	63.6%
ECO100445	YPS001806	55%	87.4%	94.2%
ECO100448	ECO100448	100%	100%	100%
ECO100448	KPN302401	62%	48.5%	100%
ECO100448	PAE202198	27%	94.8%	95.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100448	PPU101997	30%	97.1%	93.8%
ECO100448	SPA103158	77%	49.2%	100%
ECO100448	STY100783	67%	99.2%	99.6%
ECO100453	ABA101792	57%	99.1%	99.3%
ECO100453	BPT100257	67%	98.8%	97.6%
ECO100453	BCE114545	66%	24.5%	84.0%
ECO100453	BCE104032	66%	99.5%	98.6%
ECO100453	BFU105569	65%	100%	98.2%
ECO100453	BMA106830	66%	99.9%	98.2%
ECO100453	EBC103991	92%	100%	100%
ECO100453	ECO100453	100%	100%	100%
ECO100453	HIN100875	32%	97.9%	97.4%
ECO100453	KPN303893	91%	100%	100%
ECO100453	LPN101626	40%	98.9%	99.4%
ECO100453	MCA100461	56%	99.9%	99.7%
ECO100453	MAV103904	24%	18.5%	20.4%
ECO100453	MBV105073	23%	19.9%	19.1%
ECO100453	MTU201501	23%	19.5%	16.7%
ECO100453	NGO100607	48%	99.9%	98.7%
ECO100453	NME201818	49%	99.9%	98.7%
ECO100453	PMU101132	31%	97.6%	97.1%
ECO100453	PRT104879	75%	99.3%	99.2%
ECO100453	PAE200425	70%	98.5%	98.6%
ECO100453	PPU101135	65%	99.0%	98.7%
ECO100453	PSY103933	65%	99.3%	99.5%
ECO100453	STY100789	94%	99.9%	99.9%
ECO100453	YPS001789	84%	99.8%	99.6%
ECO100456	BCE114237	32%	23.7%	57.2%
ECO100456	BFU101219	28%	27.1%	67.2%
ECO100456	CPN200570	19%	22.7%	58.7%
ECO100456	CTR100201	19%	37.5%	48.0%
ECO100456	CDP102443	27%	12.8%	29.9%
ECO100456	EBC103983	84%	97.2%	99.9%
ECO100456	ECO100456	100%	100%	100%
ECO100456	HIN100185	35%	97.2%	98.4%
ECO100456	KPN300148	83%	14.6%	100%
ECO100456	KPN303886	83%	99.7%	97.9%
ECO100456	LPN100506	21%	82.6%	90.8%
ECO100456	MLP100103	19%	19.0%	26.4%
ECO100456	MPN100367	22%	38.7%	9.5%
ECO100456	PMU100358	38%	97.7%	98.5%
ECO100456	PRT105555	48%	97.3%	98.3%
ECO100456	PAE205017	39%	97.1%	97.0%
ECO100456	PPU102036	40%	97.4%	98.5%
ECO100456	PSY103682	41%	94.7%	93.7%
ECO100456	SPA102914	88%	95.2%	100%
ECO100456	STY100812	89%	99.8%	99.8%
ECO100456	STM100504	89%	99.7%	99.7%
ECO100456	UUR100392	24%	13.8%	11.3%
ECO100456	YPS001764	59%	97.4%	96.3%
ECO100457	EBC106191	73%	84.9%	73.8%
ECO100457	ECO100457	100%	100%	100%
ECO100457	KPN303890	75%	84.9%	78.9%
ECO100457	PRT105806	58%	94.3%	94.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100457	SPA102916	80%	92.5%	92.7%
ECO100457	STY100814	80%	92.5%	92.7%
ECO100457	VCH101828	58%	81.1%	61.4%
ECO100457	YPS003930	57%	84.9%	88.2%
ECO100458	CDP100984	27%	56%	24.8%
ECO100458	EBC103989	56%	100%	100%
ECO100458	ECO100458	100%	100%	100%
ECO100458	KPN300488	55%	92%	100%
ECO100458	KPN303892	59%	100%	100%
ECO100458	PMU100990	20%	97.1%	95.1%
ECO100458	PRT104644	35%	98.3%	97.2%
ECO100458	PAE108407	28%	88.6%	23.8%
ECO100458	SPA102917	72%	97.7%	100%
ECO100458	VCH101827	32%	81.1%	79.1%
ECO100458	YPS001761	36%	98.3%	97.2%
ECO100464	ABA105152	52%	99.7%	99.4%
ECO100464	BFR105086	32%	90.2%	82.4%
ECO100464	BPT101320	59%	99.2%	98.1%
ECO100464	BBU100559	41%	98.4%	93.4%
ECO100464	BCE101760	60%	99.4%	99.1%
ECO100464	BFU107645	61%	99.5%	98.9%
ECO100464	BMA108677	61%	98.7%	99.2%
ECO100464	CJU100481	43%	98.4%	98.8%
ECO100464	CAC101040	39%	98.4%	99.0%
ECO100464	CBO103036	41%	42.6%	99.6%
ECO100464	CDF102736	29%	96.0%	95.7%
ECO100464	EBC103981	91%	100%	100%
ECO100464	ECO100464	100%	100%	100%
ECO100464	HIN100103	75%	99.5%	98.7%
ECO100464	HPY100206	45%	98.6%	98.4%
ECO100464	KPN303864	91%	100%	100%
ECO100464	LPN102583	62%	99.5%	99.2%
ECO100464	LMO102556	23%	98.6%	98.2%
ECO100464	MCA100562	50%	98.6%	98.6%
ECO100464	MAV101501	48%	97.1%	96.7%
ECO100464	MBV105727	45%	98.4%	98.0%
ECO100464	MLP100990	45%	98.4%	98.0%
ECO100464	MTU202265	45%	98.4%	98.0%
ECO100464	NGO100474	25%	19.9%	34.3%
ECO100464	NME200399	25%	19.9%	18.6%
ECO100464	PMU101024	76%	99.2%	98.4%
ECO100464	PRT105522	81%	99.7%	99.0%
ECO100464	PAE201595	61%	99.4%	98.4%
ECO100464	PPU101233	60%	99.4%	98.7%
ECO100464	PSY105027	60%	99.4%	98.7%
ECO100464	SPA100495	91%	91.7%	99.7%
ECO100464	STY100841	94%	100%	98.7%
ECO100464	STM100533	94%	100%	98.7%
ECO100464	TPA100974	41%	98.4%	98.7%
ECO100464	VCH100968	69%	99.2%	98.1%
ECO100464	YPS001737	86%	100%	99.7%
ECO100465	ABA102578	62%	99.5%	99.1%
ECO100465	BAN108855	43%	100%	98.6%
ECO100465	BAN106781	47%	100%	98.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100465	BFR10586	39%	98.6%	96.8%
ECO100465	BPT101280	60%	99.5%	99.1%
ECO100465	BBU100416	35%	99.5%	98.1%
ECO100465	BCE114693	65%	96.3%	96.4%
ECO100465	BFU106856	65%	96.3%	96.4%
ECO100465	BMA102106	65%	96.7%	96.8%
ECO100465	CJU100600	25%	98.1%	94.3%
ECO100465	CPN200508	34%	83.6%	83.6%
ECO100465	CTR200398	32%	94.9%	83.0%
ECO100465	CAC102891	48%	100%	99.1%
ECO100465	CBO103787	51%	100%	98.6%
ECO100465	CDF102350	52%	100%	96.4%
ECO100465	CDP100003	40%	86.4%	87.3%
ECO100465	EBC103984	96%	100%	100%
ECO100465	EFA201978	45%	99.5%	98.6%
ECO100465	EFM200623	45%	99.5%	99.1%
ECO100465	ECO100465	100%	100%	100%
ECO100465	HIN100331	71%	100%	100%
ECO100465	HPY100611	30%	61.2%	72.3%
ECO100465	KPN303865	96%	100%	100%
ECO100465	LPN102084	55%	99.5%	99.1%
ECO100465	LMO102187	46%	99.5%	98.6%
ECO100465	MCA101231	61%	99.5%	98.6%
ECO100465	MAV102071	38%	100%	99.4%
ECO100465	MBV101628	37%	100%	99.4%
ECO100465	MLP101114	39%	86.4%	87.3%
ECO100465	MTU200730	37%	100%	99.4%
ECO100465	MGE100174	34%	84.6%	84.6%
ECO100465	MPN100646	32%	86.0%	86.5%
ECO100465	NGO100911	62%	100%	99.5%
ECO100465	NME200954	64%	100%	99.5%
ECO100465	PMU100284	71%	99.5%	99.5%
ECO100465	PRT104973	81%	100%	100%
ECO100465	PAE203684	64%	96.7%	96.7%
ECO100465	PPU107935	64%	96.7%	96.8%
ECO100465	PSY104919	60%	81.3%	96.2%
ECO100465	SPA100230	92%	100%	91.8%
ECO100465	STY100842	96%	100%	100%
ECO100465	STM100555	96%	100%	100%
ECO100465	SAU802229	47%	99.5%	98.6%
ECO100465	SEP200243	47%	99.5%	98.6%
ECO100465	SHA100179	47%	99.5%	98.1%
ECO100465	SMU100597	43%	85.0%	85.8%
ECO100465	SPN400210	38%	99.5%	98.1%
ECO100465	SPY200058	40%	99.5%	98.1%
ECO100465	TPA100588	38%	98.6%	97.2%
ECO100465	UUR100253	33%	99.5%	98.1%
ECO100465	VCH100969	73%	99.5%	99.5%
ECO100465	YPS001716	87%	100%	100%
ECO100468	ABA104316	27%	50.7%	63.8%
ECO100468	EBC103990	93%	100%	100%
ECO100468	ECO100468	100%	100%	100%
ECO100468	KPN303867	89%	100%	100%
ECO100468	MCA101546	24%	57.4%	72.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100468	PRT103854	82%	100%	100%
ECO100468	SPA107646	92%	100%	100%
ECO100468	STY100845	94%	100%	100%
ECO100468	STM100558	94%	100%	100%
ECO100468	VCH103521	69%	100%	100%
ECO100468	VCH101110	75%	100%	100%
ECO100468	YPS001600	83%	100%	100%
ECO100469	ABA105707	48%	97.3%	97.0%
ECO100469	BAN105697	24%	61.3%	85.4%
ECO100469	BAN103529	27%	63.6%	89.8%
ECO100469	BAN105257	27%	67.6%	93.7%
ECO100469	BFR10916	30%	63.8%	48.5%
ECO100469	BFR11614	32%	69.9%	50.9%
ECO100469	BBU100446	21%	69.4%	57.9%
ECO100469	BCE111018	51%	97.7%	97.5%
ECO100469	BMA106790	50%	99.3%	98.4%
ECO100469	CBO103826	23%	65.9%	91.1%
ECO100469	CDP101177	26%	90.1%	93.7%
ECO100469	EBC105058	92%	98.2%	98.4%
ECO100469	EFM201852	28%	67.9%	96.1%
ECO100469	ECO100469	100%	100%	100%
ECO100469	KPN309208	91%	100%	100%
ECO100469	MAV102680	29%	64.9%	93.2%
ECO100469	MBV104698	29%	61.5%	86.2%
ECO100469	MLP100477	27%	61.5%	86.5%
ECO100469	MTU203193	29%	61.5%	86.2%
ECO100469	PRT101586	71%	98.0%	95.4%
ECO100469	PAE205513	62%	98.0%	97.0%
ECO100469	PPU103619	33%	68.3%	64.0%
ECO100469	SPA103965	83%	98.2%	100%
ECO100469	STY100846	94%	99.6%	99.6%
ECO100469	SAU401722	23%	66.8%	85.2%
ECO100469	TPA100056	23%	37.6%	47.1%
ECO100469	YPS001597	79%	98.2%	97.3%
ECO100473	BCE112818	22%	90.5%	79.4%
ECO100473	BFU105062	27%	87.5%	92.5%
ECO100473	BMA109015	23%	55.7%	93.1%
ECO100473	CAC101805	21%	87.1%	80.6%
ECO100473	EBC101032	70%	51.1%	100%
ECO100473	ECO100473	100%	100%	100%
ECO100473	KPN305997	67%	96.2%	99.2%
ECO100473	PRT105875	47%	99.2%	97.8%
ECO100473	SPA101218	64%	100%	100%
ECO100473	STY100870	65%	100%	100%
ECO100473	VCH102186	33%	88.6%	80.2%
ECO100473	YPS001582	56%	99.2%	97.4%
ECO100475	ABA101879	41%	7.2%	16.0%
ECO100475	BAN105978	44%	57.4%	98.6%
ECO100475	BAN110321	44%	69.3%	100%
ECO100475	BFR10291	39%	86.6%	98.1%
ECO100475	BPT102136	41%	6.8%	15.8%
ECO100475	BCE110602	43%	73.5%	97.9%
ECO100475	BFU113139	47%	72.8%	81.7%
ECO100475	BMA106854	46%	73.3%	73.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100475	CJU101080	30%	86.9%	89.4%
ECO100475	CAC100879	39%	18.9%	7.9%
ECO100475	CBO102754	38%	99.2%	99.5%
ECO100475	CDF102644	39%	4.6%	16.2%
ECO100475	CDP100778	38%	5.2%	7.9%
ECO100475	EBC100331	89%	4.2%	19.6%
ECO100475	EFA201855	39%	19.2%	7.9%
ECO100475	EFM201092	37%	87.5%	98.5%
ECO100475	ECO100475	100%	100%	100%
ECO100475	HIN100276	37%	3.2%	10.7%
ECO100475	HPY101055	32%	88.0%	99.6%
ECO100475	KPN308679	87%	6.6%	18.6%
ECO100475	LPN101141	44%	77.7%	89.0%
ECO100475	LPN101253	45%	77.7%	88.7%
ECO100475	LMO100878	37%	1.4%	12.6%
ECO100475	MCA100406	36%	87.5%	95.5%
ECO100475	MAV100988	36%	72.9%	81.5%
ECO100475	MBV103852	44%	77.7%	79.7%
ECO100475	MLP101222	34%	87.4%	96.5%
ECO100475	MTU200960	44%	77.7%	81.9%
ECO100475	NGO100160	39%	86.7%	98.1%
ECO100475	NME201398	40%	87.2%	98.6%
ECO100475	PMU101892	39%	2.9%	10.9%
ECO100475	PRT105140	72%	27.5%	12.7%
ECO100475	PAE203917	41%	7.1%	16.3%
ECO100475	PPU108258	41%	99.6%	98.6%
ECO100475	PSY102170	42%	7.0%	21.1%
ECO100475	SPA101217	84%	86.8%	100%
ECO100475	STY100871	93%	99.9%	99.9%
ECO100475	STM104228	42%	4.4%	8.3%
ECO100475	SAU802557	38%	99.9%	99.5%
ECO100475	SEP201193	37%	7.2%	16.6%
ECO100475	SHA100292	40%	73.9%	100%
ECO100475	SMU100795	41%	4.4%	8.9%
ECO100475	SPN400641	43%	72.1%	79.3%
ECO100475	SPY201317	41%	4.6%	8.9%
ECO100475	TPA101026	34%	3.7%	9.8%
ECO100475	UUR100203	28%	76.9%	92.9%
ECO100475	VCH102181	50%	9.0%	19.3%
ECO100475	YPS001578	66%	7.3%	22.9%
ECO100485	ABA102979	44%	78.8%	90.3%
ECO100485	BPT100402	42%	86.5%	82.4%
ECO100485	BCE103660	39%	98.1%	60.3%
ECO100485	BFU101347	38%	93.3%	90.2%
ECO100485	BMA107037	42%	86.1%	81.2%
ECO100485	CAC101080	25%	84.1%	98.9%
ECO100485	CBO103052	27%	48.6%	52.1%
ECO100485	CDF104317	23%	79.3%	92.3%
ECO100485	EBC103361	92%	90.9%	100%
ECO100485	EFA202370	25%	74.0%	85.1%
ECO100485	ECO100485	100%	100%	100%
ECO100485	KPN303861	87%	100%	95.4%
ECO100485	LMO100084	26%	80.3%	96.4%
ECO100485	NGO100490	35%	75.5%	71.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100485	NME201781	35%	75.5%	71.8%
ECO100485	PRT104443	57%	89.4%	97.9%
ECO100485	PAE202854	49%	91.3%	95.5%
ECO100485	PPU111360	45%	93.8%	91.2%
ECO100485	PSY100343	47%	75%	98.8%
ECO100485	SPA101077	87%	98.1%	94.9%
ECO100485	STY100879	89%	98.1%	100%
ECO100485	SPY201146	27%	84.1%	55.6%
ECO100485	VCH103503	56%	90.9%	88.8%
ECO100485	YPS001527	71%	98.1%	98.1%
ECO100488	ABA100225	26%	47.2%	31.6%
ECO100488	ABA100477	26%	27.1%	80.5%
ECO100488	BAN104847	21%	28.1%	4.3%
ECO100488	BAN109223	31%	7.2%	48.7%
ECO100488	BAN101440	31%	7.6%	43.5%
ECO100488	BAN110288	23%	20.8%	3.8%
ECO100488	BFR104422	59%	1.9%	27%
ECO100488	BCE108121	26%	28.9%	68.0%
ECO100488	BCE104951	26%	49.5%	30.5%
ECO100488	BFU107935	29%	21.0%	31.4%
ECO100488	BFU100092	51%	6.2%	98.9%
ECO100488	BFU100109	28%	9.3%	60.6%
ECO100488	BFU102581	29%	11.2%	4.4%
ECO100488	BMA107682	26%	25.9%	53.9%
ECO100488	CAC100404	28%	7.9%	39.1%
ECO100488	EBC107494	33%	21.5%	50.7%
ECO100488	EBC103412	28%	21.5%	25.6%
ECO100488	EBC104888	26%	28.5%	68.9%
ECO100488	ECO100686	77%	23.5%	70.2%
ECO100488	ECO101427	86%	41.4%	86.8%
ECO100488	ECO100683	77%	88.2%	89.3%
ECO100488	ECO103515	77%	88.2%	90.6%
ECO100488	ECO103405	74%	99.6%	99.7%
ECO100488	ECO100488	100%	100%	100%
ECO100488	MAV107400	23%	19.1%	20.6%
ECO100488	PRT103688	29%	7.3%	73.6%
ECO100488	PRT103361	31%	7.6%	75.1%
ECO100488	PRT103421	25%	11.2%	4.4%
ECO100488	PAE202682	31%	88.3%	88.8%
ECO100488	PPU107712	30%	7.6%	94.3%
ECO100488	PPU109654	27%	6.8%	73.5%
ECO100488	PPU110484	28%	12.0%	92.3%
ECO100488	PPU107101	28%	10.9%	38.6%
ECO100488	PPU109653	28%	41.0%	73.7%
ECO100488	PPU109652	25%	32.9%	38.8%
ECO100488	PPU110482	29%	53.6%	54.8%
ECO100488	PSY108533	33%	4.9%	83.6%
ECO100488	PSY101322	55%	4.1%	24.3%
ECO100488	PSY105816	47%	7.2%	45.3%
ECO100488	PSY102083	25%	44.4%	45.2%
ECO100488	SPA106438	38%	2.5%	16.8%
ECO100488	SPA100247	26%	53.2%	67.7%
ECO100488	STY104094	26%	30.2%	50.1%
ECO100488	STY104095	30%	59.5%	51.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100488	STM103807	42%	8.0%	50.8%
ECO100488	STM103806	26%	40.7%	49.6%
ECO100488	YPS002860	25%	84.9%	75.6%
ECO100490	ABA100225	43%	36.9%	5.8%
ECO100490	ABA100477	45%	38.6%	10.5%
ECO100490	BAN101440	31%	39.4%	37.8%
ECO100490	BAN109223	31%	39.4%	44.2%
ECO100490	BAN110288	33%	39.4%	4.4%
ECO100490	BCE104951	36%	50.4%	8.6%
ECO100490	BCE108121	46%	39.0%	10.1%
ECO100490	BFU100092	48%	36.9%	97.8%
ECO100490	BFU102581	51%	39.0%	6.1%
ECO100490	BFU100109	47%	41.1%	14.2%
ECO100490	BMA107682	35%	38.6%	8.0%
ECO100490	CAC100404	32%	35.6%	30.3%
ECO100490	EBC103412	43%	38.1%	33.2%
ECO100490	ECO100686	73%	39.8%	19.7%
ECO100490	ECO103517	66%	45.8%	45.5%
ECO100490	ECO103515	75%	39.4%	6.8%
ECO100490	ECO103405	76%	39.8%	6.7%
ECO100490	ECO100683	76%	39.4%	6.7%
ECO100490	ECO100488	80%	39.4%	6.5%
ECO100490	ECO101427	42%	92.4%	31.4%
ECO100490	ECO100490	100%	100%	100%
ECO100490	PRT103361	33%	38.6%	65.5%
ECO100490	PRT103421	45%	39.4%	7.7%
ECO100490	PAE202682	51%	39.4%	7.0%
ECO100490	PPU107712	49%	23.3%	63.2%
ECO100490	PPU107101	48%	38.6%	22.0%
ECO100490	PPU110482	46%	39.0%	6.6%
ECO100490	PPU109652	45%	40.7%	6.4%
ECO100490	PSY101322	55%	24.6%	23.9%
ECO100490	PSY105816	46%	39.0%	40.8%
ECO100490	PSY102083	47%	39.0%	5.8%
ECO100490	SPA106438	46%	37.3%	40%
ECO100490	STY104095	48%	38.6%	10.8%
ECO100490	STY104094	51%	37.3%	6.6%
ECO100490	STM103806	49%	37.7%	6.7%
ECO100490	STM103807	49%	37.7%	37.0%
ECO100490	YPS002860	47%	39.4%	6.4%
ECO100491	ECO100491	100%	100%	100%
ECO100499	ABA104957	38%	99.6%	97.3%
ECO100499	BCE100249	55%	98.4%	94.4%
ECO100499	BFU102476	53%	98.4%	95.1%
ECO100499	BFU114367	56%	98.4%	94.4%
ECO100499	ECO100499	100%	100%	100%
ECO100499	PAE201500	59%	98.4%	97.7%
ECO100499	PPU107167	57%	98.4%	97.7%
ECO100499	SPA103879	83%	100%	100%
ECO100499	STY100931	84%	100%	100%
ECO100499	STM100624	84%	100%	100%
ECO100500	ABA103985	44%	98.6%	99.0%
ECO100500	BPT100453	34%	93.5%	99.3%
ECO100500	BCE106184	65%	99.0%	97.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100500	BFU104727	64%	99.7%	96.0%
ECO100500	EFA200236	38%	95.9%	94.9%
ECO100500	EFM201855	40%	96.2%	95.6%
ECO100500	ECO100500	100%	100%	100%
ECO100500	HPY200581	30%	97.3%	98.6%
ECO100500	LMO101779	41%	95.9%	98.3%
ECO100500	PAE201499	62%	99.3%	98.3%
ECO100500	PPU100008	63%	99.3%	98.0%
ECO100500	SPA103880	90%	100%	100%
ECO100500	STY100932	91%	100%	100%
ECO100500	STM100645	91%	100%	100%
ECO100501	ECO100501	100%	100%	100%
ECO100501	STM104546	57%	53.3%	58.3%
ECO100502	ABA104757	29%	99.3%	89.2%
ECO100502	BCE108546	28%	98.2%	82.9%
ECO100502	BFU103203	26%	96.3%	79.2%
ECO100502	BMA100176	27%	96.3%	79.2%
ECO100502	EBC101321	30%	36.8%	93.7%
ECO100502	EFA202073	53%	97.9%	86.5%
ECO100502	ECO100502	100%	100%	100%
ECO100502	KPN301121	28%	96.8%	84.7%
ECO100502	PAE200475	30%	98.2%	74.4%
ECO100502	PPU107187	28%	96.3%	78.9%
ECO100502	PSY103157	26%	95.4%	85.9%
ECO100502	SPA103881	91%	100%	90.3%
ECO100502	STM100647	92%	100%	100%
ECO100502	YPS002040	27%	96.8%	85.4%
ECO100522	EBC104095	61%	93.5%	100%
ECO100522	ECO100522	100%	100%	100%
ECO100522	LPN101710	27%	35.2%	30.8%
ECO100522	PRT104641	26%	77.4%	75.5%
ECO100522	PRT103064	29%	92.2%	95.5%
ECO100522	PRT105670	29%	98.3%	97.8%
ECO100522	PRT105544	30%	95.7%	98.6%
ECO100522	PRT105082	33%	93.5%	95.9%
ECO100522	PRT101027	42%	97.0%	96.9%
ECO100522	PRT101728	46%	96.1%	94.0%
ECO100522	PRT105207	46%	93.0%	93.0%
ECO100522	SPA101492	64%	96.5%	93.7%
ECO100522	STY101296	62%	99.6%	99.6%
ECO100522	STM101010	61%	99.6%	99.6%
ECO100523	BBU100344	26%	17.1%	36.2%
ECO100523	BMA102682	37%	95.0%	95.5%
ECO100523	CDF100539	22%	18.0%	56.5%
ECO100523	EBC104108	65%	95.6%	99.3%
ECO100523	ECO100523	100%	100%	100%
ECO100523	KPN201537	39%	95.8%	98.7%
ECO100523	MAV108170	24%	20.3%	37.6%
ECO100523	PRT104636	44%	97.5%	99.3%
ECO100523	SPA103196	72%	68.5%	100%
ECO100523	STY101297	69%	98.6%	98.5%
ECO100523	STM101011	70%	98.6%	98.5%
ECO100523	SAU300377	26%	11.5%	52.7%
ECO100541	EBC101703	52%	98.4%	95.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100541	ECO100541	100%	100%	100%
ECO100541	PRT105258	53%	48.8%	98.4%
ECO100541	PRT100296	49%	96.9%	93.2%
ECO100541	YPS000017	65%	94.5%	93.0%
ECO100549	ECO100549	100%	100%	100%
ECO100554	ABA101274	33%	40.6%	26.5%
ECO100554	ABA101204	39%	31.7%	23.0%
ECO100554	ABA104217	29%	37.8%	27.6%
ECO100554	BFR101004	32%	28.9%	11.4%
ECO100554	BFR105341	35%	31.3%	13.8%
ECO100554	BCE106065	29%	29.7%	67.3%
ECO100554	BCE113842	31%	49.8%	33.2%
ECO100554	BMA107995	26%	31.3%	22.3%
ECO100554	BMA105539	32%	31.7%	38.9%
ECO100554	ECO101470	28%	92.4%	89.7%
ECO100554	ECO103438	36%	93.6%	96.3%
ECO100554	ECO100554	100%	100%	100%
ECO100554	LPN103151	28%	32.9%	24.5%
ECO100554	MBV100183	26%	55.4%	37.6%
ECO100554	MTU301482	26%	55.4%	36.9%
ECO100554	NME102614	33%	29.7%	24.6%
ECO100554	PRT101349	35%	39.8%	39.5%
ECO100554	PRT104740	34%	51.8%	48.0%
ECO100554	PAE202094	29%	33.3%	25%
ECO100554	PAE203213	31%	30.5%	22.6%
ECO100554	PPU102277	25%	37.8%	26.4%
ECO100554	PPU101064	31%	30.5%	21.5%
ECO100554	SPA100934	36%	50.6%	51.4%
ECO100554	SPA103838	40%	49.8%	40.1%
ECO100554	STY102368	37%	49.0%	48.6%
ECO100554	STY102403	33%	73.9%	64.9%
ECO100554	STM103734	40%	49.8%	40.1%
ECO100554	SMU100002	29%	37.8%	27.9%
ECO100554	VCH100823	29%	49.0%	44.2%
ECO100555	BFU112796	28%	18.3%	36.0%
ECO100555	EBC102973	48%	100%	97.1%
ECO100555	ECO100555	100%	100%	100%
ECO100555	LPN101913	38%	97.8%	98.7%
ECO100555	PPU103428	23%	56.8%	38.8%
ECO100555	SPA103146	46%	100%	100%
ECO100555	STY101101	46%	100%	100%
ECO100555	YPS000286	40%	91.5%	90.4%
ECO100557	ABA102872	22%	69.9%	59.8%
ECO100557	ECO100557	100%	100%	100%
ECO100557	PPU111671	33%	99.3%	98.9%
ECO100557	PSY102041	25%	73.3%	70.7%
ECO100560	BAN106854	24%	24.4%	90.1%
ECO100560	BAN112348	33%	23.8%	76.5%
ECO100560	BAN100221	25%	74.8%	77.7%
ECO100560	BAN103717	26%	62.5%	96.9%
ECO100560	BAN100334	26%	57.1%	93.3%
ECO100560	BAN102939	26%	74.8%	76.4%
ECO100560	BAN113334	25%	63.5%	84.6%
ECO100560	BAN102333	27%	68.8%	71.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100560	BAN110951	28%	62.5%	67.8%
ECO100560	BFR10765	27%	59.6%	63.9%
ECO100560	BFR103543	27%	64.0%	68.4%
ECO100560	BPT104047	31%	97.9%	96.7%
ECO100560	BCE114206	31%	97.9%	97.4%
ECO100560	BFU111283	42%	61.7%	63.6%
ECO100560	BFU103037	32%	97.7%	98.6%
ECO100560	BMA100332	31%	98.3%	98.1%
ECO100560	CAC102666	28%	60.6%	62.2%
ECO100560	CDF100992	28%	52.7%	65.7%
ECO100560	EBC104519	56%	99.8%	97.8%
ECO100560	ECO100560	100%	100%	100%
ECO100560	KPN302405	66%	98.5%	98.3%
ECO100560	LPN102226	32%	63.3%	88.0%
ECO100560	LMO102551	24%	99.8%	98.6%
ECO100560	PAE202808	41%	68.3%	72.7%
ECO100560	PPU101821	35%	97.7%	98.4%
ECO100560	PPU101984	35%	97.9%	96.4%
ECO100560	PSY104285	40%	67.3%	70.9%
ECO100560	SAU801414	23%	95%	96.5%
ECO100560	YPS003206	35%	67.1%	69.3%
ECO100572	ECO100572	100%	100%	100%
ECO100572	ECO100016	100%	100%	100%
ECO100572	ECO102351	100%	100%	99.5%
ECO100572	KPN301837	28%	24.6%	33.5%
ECO100572	KPN301756	28%	24.6%	25.9%
ECO100572	PPU112458	31%	21.6%	17.3%
ECO100572	PPU110183	31%	21.6%	18.0%
ECO100572	PPU100534	31%	21.6%	17.3%
ECO100572	PPU111918	31%	21.6%	17.3%
ECO100572	PPU111424	31%	21.6%	17.3%
ECO100572	PPU109580	31%	21.6%	17.3%
ECO100572	STY100108	28%	24.6%	25.9%
ECO100582	BAN107042	36%	24.8%	26.5%
ECO100582	BAN100797	25%	61.9%	58.9%
ECO100582	BAN107954	22%	56.0%	61.5%
ECO100582	BAN107919	23%	84.3%	79.6%
ECO100582	CAC102393	22%	47.5%	43.3%
ECO100582	CDF102033	25%	37.7%	36.8%
ECO100582	EBC100468	78%	74.8%	100%
ECO100582	EFA205322	25%	90.6%	88.1%
ECO100582	ECO100582	100%	100%	100%
ECO100582	KPN304825	84%	96.2%	96.2%
ECO100582	PRT102496	24%	69.8%	63.2%
ECO100582	PAE204156	41%	97.8%	98.0%
ECO100582	SPA102125	76%	100%	100%
ECO100582	STY101372	79%	100%	100%
ECO100582	SHA100136	24%	88.4%	86.1%
ECO100582	SPY200281	22%	81.4%	76.5%
ECO100582	VCH100763	36%	96.5%	92%
ECO100582	YPS002778	53%	92.1%	86.9%
ECO100584	ABA103671	56%	98.5%	98.7%
ECO100584	BAN111652	41%	98.7%	99.8%
ECO100584	BAN104146	48%	98.7%	98.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100584	BCE105183	43%	65.1%	93.5%
ECO100584	EBC100728	73%	81.9%	100%
ECO100584	ECO100584	100%	100%	100%
ECO100584	KPN304829	81%	98.7%	98.9%
ECO100584	MAV100968	42%	98.7%	96.7%
ECO100584	MBV101299	37%	97.4%	95.3%
ECO100584	MTU202348	39%	97.4%	93.6%
ECO100584	PAE204226	46%	98.7%	96.7%
ECO100584	PSY105284	42%	90.7%	92.5%
ECO100584	SPA100882	82%	99.6%	100%
ECO100584	STY101374	85%	99.6%	99.4%
ECO100584	STM101106	86%	99.6%	99.6%
ECO100584	VCH100759	48%	98.5%	98.0%
ECO100584	YPS002354	42%	93.7%	95.0%
ECO100593	EBC102628	50%	99%	99.3%
ECO100593	ECO100593	100%	100%	100%
ECO100593	KPN303370	48%	97.7%	94.2%
ECO100593	SPA103039	53%	99.3%	99.3%
ECO100593	STY101394	54%	99.3%	99.3%
ECO100619	EBC101386	61%	100%	83.9%
ECO100619	ECO100619	100%	100%	100%
ECO100619	KPN302688	50%	100%	89.3%
ECO100619	SPA102530	61%	100%	100%
ECO100619	STY101451	68%	100%	83.9%
ECO100632	ABA105508	56%	99.5%	99.1%
ECO100632	BAN102826	43%	99.3%	99.5%
ECO100632	BFR10298	34%	99.5%	99.9%
ECO100632	BPT102350	48%	99.8%	99.9%
ECO100632	BBU100250	38%	99.5%	99.6%
ECO100632	BCE103321	49%	99.9%	100%
ECO100632	BMA109061	49%	99.9%	94.6%
ECO100632	CJU101017	43%	99.4%	99.6%
ECO100632	CPN200606	41%	99.5%	99.9%
ECO100632	CTR200474	40%	99.5%	99.9%
ECO100632	CAC101070	40%	99.0%	99.1%
ECO100632	CBO100961	40%	98.8%	99.0%
ECO100632	CDF103555	44%	99.4%	99.5%
ECO100632	CDP101454	36%	99.0%	97.1%
ECO100632	EBC100539	92%	55.2%	100%
ECO100632	EFA200538	42%	99.3%	99.5%
ECO100632	EFM200610	43%	99.3%	99.5%
ECO100632	ECO100632	100%	100%	100%
ECO100632	HIN100900	72%	99.9%	99.8%
ECO100632	HPY101524	42%	98.8%	99.3%
ECO100632	KPN300581	97%	18.4%	96.3%
ECO100632	KPN302684	95%	99.8%	100%
ECO100632	LPN103327	54%	100%	100%
ECO100632	LMO100611	42%	99.3%	99.5%
ECO100632	MCA102972	49%	99.7%	99.0%
ECO100632	MAV103767	37%	96.3%	90.9%
ECO100632	MBV104696	37%	96.2%	92.8%
ECO100632	MLP100028	36%	99.9%	97.7%
ECO100632	MTU200041	37%	96.2%	93.0%
ECO100632	MGE100272	34%	99.4%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100632	MPN100453	34%	99.4%	99.5%
ECO100632	NGO100059	57%	99.9%	99.8%
ECO100632	NME200518	55%	99.9%	100%
ECO100632	PMU101214	72%	99.8%	99.8%
ECO100632	PRT102887	80%	100%	100%
ECO100632	PAE203984	57%	99.8%	99.8%
ECO100632	PPU108817	57%	99.8%	99.8%
ECO100632	PSY105072	57%	99.8%	99.8%
ECO100632	SPA100430	93%	58.6%	98.8%
ECO100632	STY101466	95%	100%	100%
ECO100632	SAU801760	42%	99.3%	99.5%
ECO100632	SEP202121	42%	99.3%	99.5%
ECO100632	SHA100631	42%	99.3%	99.5%
ECO100632	SMU100492	40%	99.4%	99.5%
ECO100632	SPN400235	42%	99.4%	99.5%
ECO100632	SPY200128	42%	99.4%	99.5%
ECO100632	TPA100579	39%	98.8%	99.2%
ECO100632	UUR100373	34%	99.4%	99.9%
ECO100632	VCH100940	75%	99.8%	95.7%
ECO100632	YPS001199	84%	100%	100%
ECO100645	ABA101420	41%	99.0%	100%
ECO100645	BPT102527	46%	98.3%	96.7%
ECO100645	BCE104111	65%	100%	99%
ECO100645	BFU109692	45%	99.0%	85.4%
ECO100645	BMA102165	72%	86.8%	100%
ECO100645	EBC102933	91%	100%	100%
ECO100645	ECO100645	100%	100%	100%
ECO100645	KPN300407	91%	41.7%	100%
ECO100645	KPN302708	89%	100%	100%
ECO100645	PRT102877	75%	100%	100%
ECO100645	PAE201341	58%	97.4%	97.7%
ECO100645	PPU101496	57%	96.4%	97.4%
ECO100645	PSY105194	55%	96.4%	94.8%
ECO100645	SPA102587	95%	92.1%	100%
ECO100645	STY101796	93%	100%	98.1%
ECO100645	YPS001209	78%	100%	100%
ECO100647	ABA104991	36%	96.5%	92.3%
ECO100647	BPT100972	30%	94.1%	98.1%
ECO100647	BBU100236	28%	32.4%	32.1%
ECO100647	BCE102700	33%	92.2%	82.3%
ECO100647	BFU103489	32%	95.9%	92.9%
ECO100647	BMA107358	31%	70.3%	97.8%
ECO100647	CJU101021	23%	53.7%	55.1%
ECO100647	CPN200092	23%	95.3%	92.1%
ECO100647	CTR200810	28%	35.2%	34.9%
ECO100647	CAC101602	24%	29.7%	62.6%
ECO100647	CDP101117	24%	81.6%	90.6%
ECO100647	EBC102934	85%	99.6%	100%
ECO100647	ECO100647	100%	100%	100%
ECO100647	HIN100288	44%	97.1%	95.4%
ECO100647	HPY100177	23%	60.5%	66.8%
ECO100647	KPN302711	83%	100%	100%
ECO100647	LPN102781	30%	84.6%	98.6%
ECO100647	MCA100961	36%	96.3%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100647	MAV106114	25%	97.3%	82.0%
ECO100647	MBV102260	26%	97.1%	94.9%
ECO100647	MLP100891	24%	96.9%	79.2%
ECO100647	MTU202018	26%	97.1%	57.9%
ECO100647	NGO101835	31%	97.1%	96.5%
ECO100647	NME200849	31%	97.1%	96.5%
ECO100647	PMU101032	45%	96.3%	94.0%
ECO100647	PRT102866	61%	96.5%	97.2%
ECO100647	PAE203981	40%	95.7%	95.1%
ECO100647	PPU107601	41%	94.3%	94.7%
ECO100647	PSY105070	41%	95.1%	95.7%
ECO100647	SPA102458	85%	76.2%	100%
ECO100647	STY101797	87%	100%	100%
ECO100647	TPA100249	25%	69.9%	72.0%
ECO100647	TPA100413	25%	75.6%	76.6%
ECO100647	VCH100942	48%	99.0%	99.2%
ECO100647	YPS001211	65%	99.6%	99.2%
ECO100648	ABA106059	43%	83.6%	89.6%
ECO100648	BFR10598	34%	86.6%	57.9%
ECO100648	BPT100973	42%	91.8%	89.8%
ECO100648	BBU100059	37%	79.8%	90.7%
ECO100648	BCE102638	45%	90.4%	88.1%
ECO100648	BFU103492	45%	88.4%	82.6%
ECO100648	BMA100300	44%	95.5%	89.3%
ECO100648	CPN200241	32%	70.5%	53.5%
ECO100648	CTR200696	30%	77.4%	60.7%
ECO100648	CDP100549	33%	91.1%	64.0%
ECO100648	EBC102935	94%	100%	100%
ECO100648	EFM200835	33%	85.6%	56.1%
ECO100648	ECO100648	100%	100%	100%
ECO100648	HIN100287	63%	97.3%	95.7%
ECO100648	KPN302676	96%	100%	92.7%
ECO100648	LPN103355	47%	86.3%	88.4%
ECO100648	LMO101012	30%	89.0%	61.8%
ECO100648	MCA100807	40%	93.8%	94.8%
ECO100648	MAV100201	36%	76.0%	51.8%
ECO100648	MBV102614	37%	76.0%	52.0%
ECO100648	MTU202330	37%	76.0%	52.0%
ECO100648	MGE100148	26%	66.8%	45.5%
ECO100648	MPN100672	25%	66.8%	45.5%
ECO100648	NGO101904	51%	90.8%	96.4%
ECO100648	NME200659	51%	90.8%	96.4%
ECO100648	PMU101033	64%	95.9%	93%
ECO100648	PRT102899	84%	99.3%	98.6%
ECO100648	PAE203980	51%	91.4%	96.1%
ECO100648	PPU112260	52%	91.4%	96.1%
ECO100648	PSY105068	52%	91.4%	95.7%
ECO100648	SPA102459	96%	100%	100%
ECO100648	STY101798	97%	100%	100%
ECO100648	SPN401776	34%	76.0%	49.7%
ECO100648	SPY200275	34%	79.1%	52.0%
ECO100648	TPA100641	35%	78.8%	86.0%
ECO100648	VCH100943	66%	96.9%	96.6%
ECO100648	YPS001216	86%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100652	BFR100448	41%	10.0%	16.5%
ECO100652	BPT101695	33%	97.7%	98.5%
ECO100652	EBC100475	77%	91.8%	100%
ECO100652	ECO100652	100%	100%	100%
ECO100652	KPN302701	78%	100%	100%
ECO100652	MBV101815	24%	79.8%	76.2%
ECO100652	MTU201729	24%	80.6%	68.9%
ECO100652	PMU101002	50%	98.5%	98.5%
ECO100652	PRT102895	60%	98.5%	97.7%
ECO100652	SPA102463	83%	100%	100%
ECO100652	STY101812	85%	100%	100%
ECO100652	STM101551	85%	100%	100%
ECO100652	VCH100947	52%	99.7%	96.7%
ECO100652	YPS001221	63%	99.5%	99.2%
ECO100659	BFR10535	28%	87.9%	90.3%
ECO100659	BMA106268	32%	16.5%	22.1%
ECO100659	CBO102186	30%	74.6%	96.5%
ECO100659	CDP101325	27%	70.4%	90.2%
ECO100659	EBC101470	91%	100%	100%
ECO100659	EFM101256	25%	92.9%	95.3%
ECO100659	ECO100659	100%	100%	100%
ECO100659	KPN301178	88%	100%	100%
ECO100659	LMO100695	30%	82.3%	82.2%
ECO100659	MAV103808	23%	79.8%	62.5%
ECO100659	MBV102332	22%	79.8%	78.8%
ECO100659	MTU408202	22%	79.8%	78.8%
ECO100659	PMU100683	54%	97.8%	98.3%
ECO100659	PRT100305	70%	98.5%	98.3%
ECO100659	PSY101979	30%	18.0%	33.3%
ECO100659	PSY105778	23%	49.8%	60.1%
ECO100659	SPA101689	93%	100%	100%
ECO100659	STY101819	94%	100%	100%
ECO100659	SMU100070	28%	74.1%	96.3%
ECO100659	SPN201158	27%	80.0%	83.9%
ECO100659	SPY201178	29%	74.9%	97.2%
ECO100659	VCH100976	60%	98.3%	99.0%
ECO100659	YPS001229	78%	99.8%	99.0%
ECO100661	BAN112647	36%	79.7%	93.1%
ECO100661	BAN106376	34%	90.6%	87.0%
ECO100661	BFR104796	64%	98.9%	97.4%
ECO100661	BBU100151	60%	98.5%	97.8%
ECO100661	BFU102111	22%	44.4%	19.7%
ECO100661	CAC101312	36%	92.9%	100%
ECO100661	CBO103757	38%	94.0%	98.0%
ECO100661	CDF100159	38%	40.6%	89.9%
ECO100661	CDF100928	38%	94.0%	98.0%
ECO100661	CDP101713	44%	79.7%	81.9%
ECO100661	EBC101472	93%	100%	100%
ECO100661	EFA201130	34%	92.9%	100%
ECO100661	EFM201449	33%	92.9%	100%
ECO100661	ECO100661	100%	100%	100%
ECO100661	HIN100134	74%	97.4%	95.9%
ECO100661	KPN301180	93%	100%	100%
ECO100661	LMO102723	39%	76.7%	83.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100661	MLP100363	25%	59.8%	64.0%
ECO100661	MTU401062	23%	76.3%	80.6%
ECO100661	MTU406545	27%	58.6%	83.3%
ECO100661	PMU100875	76%	100%	99.6%
ECO100661	PRT101157	75%	94.0%	97.3%
ECO100661	SPA101691	95%	67.7%	100%
ECO100661	STY101831	95%	100%	100%
ECO100661	SAU800569	35%	77.1%	81.3%
ECO100661	SEP200118	31%	90.6%	97.1%
ECO100661	SHA102516	37%	82.0%	90.5%
ECO100661	SMU100790	38%	77.1%	84.5%
ECO100661	SPN401271	32%	90.2%	94.2%
ECO100661	SPY201070	35%	79.3%	86.8%
ECO100661	VCH103743	79%	99.6%	99.6%
ECO100661	YPS001237	85%	100%	100%
ECO100662	BAN102604	46%	71.6%	100%
ECO100662	BAN102323	52%	71.6%	100%
ECO100662	BCE100659	55%	65.6%	98.9%
ECO100662	BFU102702	55%	74.1%	81.8%
ECO100662	BMA108578	54%	73.1%	98.5%
ECO100662	CTR200280	35%	10.6%	18.4%
ECO100662	CAC100601	48%	71.9%	98.8%
ECO100662	CBO100356	42%	18.8%	63.9%
ECO100662	CBO102223	38%	99.2%	99.1%
ECO100662	EBC101577	45%	70.7%	100%
ECO100662	EFA201939	40%	95.4%	95.6%
ECO100662	EFM200960	40%	96.6%	96.8%
ECO100662	ECO100662	100%	100%	100%
ECO100662	KPN301181	88%	99.8%	99.7%
ECO100662	MGE100071	32%	2.9%	20.9%
ECO100662	MPN100624	32%	2.9%	21.1%
ECO100662	PMU100876	43%	71.9%	99.8%
ECO100662	PRT101158	48%	100%	100%
ECO100662	PAE203758	50%	71.1%	98.4%
ECO100662	SPA101338	90%	99.8%	99.7%
ECO100662	STY101832	92%	99.8%	99.7%
ECO100662	STM101571	92%	99.8%	99.7%
ECO100662	SAU800189	39%	95.1%	95.2%
ECO100662	SEP201169	39%	96.0%	96.0%
ECO100662	SHA102201	38%	96.0%	98.9%
ECO100662	SMU100648	30%	95.8%	98.3%
ECO100662	SPY201526	31%	97.1%	96.6%
ECO100662	VCH100978	47%	71.8%	97.7%
ECO100662	YPS001239	52%	99.8%	99.7%
ECO100663	ABA100614	54%	70.2%	98.7%
ECO100663	BFR11594	52%	99.3%	98.3%
ECO100663	BPT101559	50%	99.1%	99.5%
ECO100663	BCE112007	56%	98.0%	97.7%
ECO100663	BFU109691	56%	98.0%	97.7%
ECO100663	BMA101111	57%	98.2%	93.5%
ECO100663	CDF100047	54%	98.4%	98.7%
ECO100663	EBC101578	94%	100%	100%
ECO100663	ECO100663	100%	100%	100%
ECO100663	HIN101320	76%	97.7%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100663	KPN300629	92%	79.2%	100%
ECO100663	LPN102284	55%	7.2%	20.1%
ECO100663	LPN100517	56%	99.6%	99.8%
ECO100663	MCA100651	51%	99.1%	99.5%
ECO100663	NGO101291	60%	97.5%	97.7%
ECO100663	NME201607	60%	97.5%	95.8%
ECO100663	PMU100528	77%	98.0%	97.1%
ECO100663	PRT105627	85%	100%	99.6%
ECO100663	PAE201793	60%	99.1%	99.1%
ECO100663	PPU108911	62%	98.6%	96.8%
ECO100663	PSY100233	62%	98.2%	97.0%
ECO100663	SPA101340	95%	98.9%	100%
ECO100663	STY101833	95%	100%	100%
ECO100663	STM101572	96%	100%	100%
ECO100663	VCH100980	80%	100%	99.8%
ECO100663	YPS001246	87%	99.3%	99.1%
ECO100668	BCE111918	35%	49.2%	54.6%
ECO100668	BFU104827	30%	45.8%	59.8%
ECO100668	CBO100905	27%	70.8%	11.1%
ECO100668	EBC100041	81%	54.2%	100%
ECO100668	ECO100668	100%	100%	100%
ECO100668	KPN202849	81%	100%	100%
ECO100668	PMU100354	65%	70%	89.4%
ECO100668	PRT103333	83%	74.2%	91.8%
ECO100668	SPA102662	89%	80.8%	100%
ECO100668	STY101854	90%	80.8%	100%
ECO100668	YPS001261	86%	74.2%	93.7%
ECO100669	BAN106734	28%	46.5%	44.8%
ECO100669	BAN100793	32%	37.8%	33.3%
ECO100669	BAN108978	32%	37.8%	60.1%
ECO100669	BPT102964	23%	84.6%	68.9%
ECO100669	BFU101564	23%	92.1%	73.2%
ECO100669	EBC100042	68%	31.1%	97.5%
ECO100669	EFM201132	22%	53.1%	57.0%
ECO100669	ECO100669	100%	100%	100%
ECO100669	HIN100182	42%	98.8%	88.2%
ECO100669	KPN300270	85%	98.0%	100%
ECO100669	LPN102659	22%	95.3%	91.9%
ECO100669	LPN103657	28%	39.0%	36.2%
ECO100669	LMO100596	31%	41.7%	43.5%
ECO100669	MAV103780	24%	81.9%	72.4%
ECO100669	MBV106260	23%	81.9%	73.8%
ECO100669	MLP101364	22%	83.9%	75.3%
ECO100669	MTU200045	23%	81.9%	73.8%
ECO100669	MPN100323	42%	19.3%	17.6%
ECO100669	PMU100355	45%	94.5%	92.7%
ECO100669	PRT100195	58%	93.7%	89.8%
ECO100669	SPA102660	89%	100%	100%
ECO100669	STY101855	89%	100%	99.2%
ECO100669	STM104159	32%	45.3%	39.8%
ECO100669	SAU800615	22%	96.1%	93.9%
ECO100669	SHA101552	27%	37.4%	33.6%
ECO100669	UUR100019	23%	43.3%	38.4%
ECO100669	VCH102065	48%	92.5%	93.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100669	YPS001274	65%	99.6%	99.2%
ECO100672	CAC102879	34%	25%	8.6%
ECO100672	ECO100672	100%	100%	100%
ECO100683	ABA100225	26%	67.7%	56.8%
ECO100683	ABA100477	27%	24.1%	97.4%
ECO100683	BAN104847	19%	15.4%	26.9%
ECO100683	BAN109223	29%	7.2%	47.8%
ECO100683	BAN101440	29%	7.6%	42.7%
ECO100683	BAN110288	24%	23.0%	18.6%
ECO100683	BFR104422	62%	1.9%	27%
ECO100683	BCE104951	24%	86.2%	67.5%
ECO100683	BCE108121	27%	52.8%	59.9%
ECO100683	BFU100092	47%	6.3%	98.9%
ECO100683	BFU107935	31%	21.7%	7.3%
ECO100683	BFU100109	28%	14.8%	59.1%
ECO100683	BFU102581	29%	54.0%	49.1%
ECO100683	BMA107682	24%	50.1%	25.9%
ECO100683	CAC100404	29%	6.3%	31.6%
ECO100683	EBC107494	28%	9.8%	85%
ECO100683	EBC103412	28%	9.0%	59.2%
ECO100683	EBC104888	25%	64.4%	82.5%
ECO100683	ECO100686	96%	23.3%	68.1%
ECO100683	ECO101427	76%	37.7%	78.2%
ECO100683	ECO100488	77%	89.3%	88.2%
ECO100683	ECO103405	96%	89.3%	88.4%
ECO100683	ECO103515	96%	89.9%	91.2%
ECO100683	ECO100683	100%	100%	100%
ECO100683	PRT103688	31%	7.4%	73.6%
ECO100683	PRT103361	33%	8.1%	78.0%
ECO100683	PRT103421	25%	54.0%	66.8%
ECO100683	PAE202682	32%	90.6%	89.7%
ECO100683	PPU107712	33%	7.7%	93.1%
ECO100683	PPU110484	26%	21.5%	52.2%
ECO100683	PPU109654	25%	9.2%	55.3%
ECO100683	PPU107101	42%	3.9%	5.5%
ECO100683	PPU109653	28%	41.4%	38.3%
ECO100683	PPU109652	26%	55.8%	54.6%
ECO100683	PPU110482	26%	11.1%	5.4%
ECO100683	PSY108533	33%	5.0%	83.6%
ECO100683	PSY101322	59%	4.2%	24.3%
ECO100683	PSY105816	46%	7.4%	46.2%
ECO100683	PSY102083	24%	13.7%	11.8%
ECO100683	SPA106438	45%	6.1%	5.5%
ECO100683	SPA100247	27%	53.8%	67.7%
ECO100683	STY104094	25%	87.3%	77.3%
ECO100683	STY104095	30%	53.2%	39.6%
ECO100683	STM103807	45%	8.0%	46.3%
ECO100683	STM103806	25%	87.3%	76.6%
ECO100683	YPS002860	24%	86.3%	75.9%
ECO100702	ECO102977	37%	97.9%	97.8%
ECO100702	ECO100702	100%	100%	100%
ECO100702	PRT100741	24%	96.3%	94.1%
ECO100702	PRT100538	22%	95.7%	94.0%
ECO100702	PRT104405	27%	95.7%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100702	PRT100936	26%	96.3%	98.9%
ECO100702	PRT105615	27%	95.7%	96.2%
ECO100702	PRT104834	26%	88.3%	87.4%
ECO100702	PRT104207	28%	88.3%	87.4%
ECO100702	PRT101358	32%	96.3%	97.3%
ECO100702	SPA102695	31%	95.7%	97.4%
ECO100702	STY104107	32%	95.7%	96.4%
ECO100702	YPS002768	38%	96.3%	94.6%
ECO100703	ABA104184	67%	97.9%	98.1%
ECO100703	BPT101628	62%	100%	99.5%
ECO100703	BCE109200	66%	98.6%	98.2%
ECO100703	BFU112530	65%	97.7%	97.2%
ECO100703	BFU100597	66%	99.8%	99.3%
ECO100703	BMA100455	66%	98.6%	98.2%
ECO100703	CJU101587	50%	93.4%	95.0%
ECO100703	CDP100042	50%	93.4%	93.9%
ECO100703	EBC101675	96%	100%	100%
ECO100703	ECO100703	100%	100%	100%
ECO100703	HPY100025	43%	93.4%	96.5%
ECO100703	KPN302561	95%	99.5%	100%
ECO100703	LPN103215	64%	98.8%	100%
ECO100703	MCA103218	62%	99.1%	99.1%
ECO100703	MAV104827	54%	98.6%	98.6%
ECO100703	MBV101665	52%	98.6%	98.6%
ECO100703	MLP101277	52%	98.6%	98.6%
ECO100703	MTU200887	52%	98.6%	98.6%
ECO100703	NGO101276	66%	97.2%	97.4%
ECO100703	NME201060	66%	97.2%	97.4%
ECO100703	PMU100276	71%	99.1%	99.1%
ECO100703	PRT102070	85%	99.8%	99.5%
ECO100703	PAE201579	70%	98.6%	98.4%
ECO100703	PPU107315	72%	98.4%	98.1%
ECO100703	PSY108243	72%	98.4%	98.1%
ECO100703	SPA100177	91%	78.0%	100%
ECO100703	STY101915	96%	100%	100%
ECO100703	VCH102060	77%	98.6%	97.9%
ECO100703	YPS002059	86%	100%	100%
ECO100706	ABA105020	52%	98.8%	97.2%
ECO100706	BPT101632	57%	99.7%	99.5%
ECO100706	BCE112329	55%	99.7%	98.8%
ECO100706	BFU100599	55%	99.7%	98.8%
ECO100706	BMA107039	55%	99.7%	98.8%
ECO100706	CTR100036	31%	92.2%	98.6%
ECO100706	EBC101678	96%	60.9%	100%
ECO100706	ECO100706	100%	100%	100%
ECO100706	HPY100189	35%	93.5%	82.1%
ECO100706	KPN301276	98%	100%	99.3%
ECO100706	LPN103357	69%	100%	100%
ECO100706	MCA101639	51%	99.7%	97.1%
ECO100706	MAV101732	48%	98.8%	99.0%
ECO100706	MBV103459	48%	98.8%	99.0%
ECO100706	MLP100428	47%	98.8%	99.0%
ECO100706	MTU203275	48%	98.8%	99.0%
ECO100706	NGO101280	56%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100706	NME201057	56%	100%	100%
ECO100706	PRT102073	92%	100%	100%
ECO100706	PAE201582	70%	98.8%	98.6%
ECO100706	PPU103107	69%	99.7%	99.5%
ECO100706	PSY104872	70%	96.8%	100%
ECO100706	SPA103275	78%	48.8%	100%
ECO100706	STY101918	97%	100%	100%
ECO100706	STM101667	97%	100%	100%
ECO100706	SHA100620	34%	59.5%	95.4%
ECO100706	VCH102057	82%	100%	100%
ECO100706	YPS002062	92%	100%	100%
ECO100712	ABA101768	71%	100%	98.3%
ECO100712	BAN108859	56%	100%	96.3%
ECO100712	BAN107819	65%	100%	96.3%
ECO100712	BFR12149	58%	98.6%	99.0%
ECO100712	BPT102810	54%	99.7%	100%
ECO100712	BCE103851	54%	99.7%	100%
ECO100712	BFU103478	52%	99.7%	100%
ECO100712	BMA108528	54%	99.7%	100%
ECO100712	CJU100496	58%	99.7%	99.7%
ECO100712	CPN200869	62%	98.6%	97.3%
ECO100712	CTR200204	61%	98.6%	97.9%
ECO100712	EBC102737	95%	100%	100%
ECO100712	ECO100712	100%	100%	100%
ECO100712	HIN101170	83%	100%	98.6%
ECO100712	KPN300770	94%	100%	100%
ECO100712	LPN101597	78%	99.3%	99.0%
ECO100712	LMO100662	25%	48.1%	38.4%
ECO100712	MAV101285	54%	100%	99.3%
ECO100712	MBV101961	54%	94.1%	92.7%
ECO100712	MLP100114	50%	99.7%	99%
ECO100712	MTU200943	54%	94.1%	92.7%
ECO100712	NGO101261	72%	100%	98.3%
ECO100712	NME201066	72%	100%	98.3%
ECO100712	PMU100281	86%	100%	100%
ECO100712	PRT102068	94%	99.7%	99.3%
ECO100712	PAE201588	88%	98.3%	96.3%
ECO100712	PPU101203	88%	98.3%	96.6%
ECO100712	PSY104865	88%	98.3%	96.9%
ECO100712	SPA103281	88%	99.3%	100%
ECO100712	STY101933	94%	100%	100%
ECO100712	STM101672	95%	100%	100%
ECO100712	SAU801246	65%	98.3%	94.0%
ECO100712	SEP201540	62%	98.3%	94.0%
ECO100712	SHA100180	64%	84.8%	93.9%
ECO100712	VCH102052	87%	99.3%	99.0%
ECO100712	YPS002067	90%	99.7%	99.3%
ECO100713	BAN101120	29%	80.8%	100%
ECO100713	BAN103767	30%	94.2%	95.0%
ECO100713	BPT101634	28%	94.2%	80.4%
ECO100713	BCE103528	36%	40%	66.2%
ECO100713	BCE107050	30%	82.5%	85.3%
ECO100713	BMA102686	30%	82.5%	85.3%
ECO100713	CAC103158	29%	95.4%	95.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100713	CBO100441	31%	96.2%	92.5%
ECO100713	CDF102412	32%	95.4%	96.2%
ECO100713	CDP100674	29%	93.3%	89.1%
ECO100713	EFA202447	32%	95%	97.0%
ECO100713	EFM201744	26%	95.4%	94.3%
ECO100713	ECO100713	100%	100%	100%
ECO100713	MCA101187	25%	86.2%	89.1%
ECO100713	MAV103447	30%	79.6%	70.4%
ECO100713	PPU107953	29%	95%	74.7%
ECO100713	SPA103556	29%	97.5%	95.5%
ECO100713	STY104116	29%	97.5%	95.5%
ECO100713	STM102067	24%	93.8%	92.5%
ECO100713	SEP200626	35%	28.3%	54.4%
ECO100713	SHA102044	28%	94.6%	95.4%
ECO100713	SMU100634	25%	95.8%	97.5%
ECO100713	SPN401698	31%	96.2%	98.3%
ECO100713	SPY200917	30%	96.2%	95.4%
ECO100716	ABA102257	69%	97.5%	96.6%
ECO100716	BAN108041	38%	96.6%	97.3%
ECO100716	BFR104147	43%	92.9%	99.4%
ECO100716	BPT102256	61%	95.6%	92.8%
ECO100716	BCE114299	55%	52.4%	99.6%
ECO100716	BFU102708	57%	53.9%	94.7%
ECO100716	BFU103213	77%	39.2%	98.1%
ECO100716	BFU102694	66%	98.1%	95.7%
ECO100716	BMA100835	62%	83.7%	97.6%
ECO100716	BMA109632	64%	99.2%	98.1%
ECO100716	CJU100072	45%	95.4%	96.3%
ECO100716	CPN200660	35%	95.6%	97.3%
ECO100716	CTR100525	30%	94.6%	96.6%
ECO100716	CDP100460	35%	92.0%	84.0%
ECO100716	EBC102736	94%	63.3%	100%
ECO100716	ECO100716	100%	100%	100%
ECO100716	HIN101051	64%	98.5%	99.8%
ECO100716	KPN300984	94%	96.0%	100%
ECO100716	LPN101998	59%	96.0%	98.4%
ECO100716	MCA100290	59%	97.7%	96.6%
ECO100716	PMU100974	68%	98.5%	99.8%
ECO100716	PRT103085	81%	95.4%	99.8%
ECO100716	PPU108559	31%	94.5%	91.6%
ECO100716	PSY107712	30%	89.7%	91.0%
ECO100716	SPA103282	95%	96.7%	100%
ECO100716	STY101934	95%	99.8%	100%
ECO100716	STM101673	96%	99.8%	100%
ECO100716	SAU801086	30%	95.8%	96.2%
ECO100716	SHA101846	29%	95.8%	96.9%
ECO100716	VCH103592	70%	98.3%	97.0%
ECO100716	VCH101814	74%	99.2%	95.9%
ECO100716	YPS002068	86%	99.8%	100%
ECO100725	ABA105807	25%	94.7%	97.3%
ECO100725	BFR102268	27%	43.0%	25.9%
ECO100725	BPT102433	25%	98.1%	99.1%
ECO100725	BBU100541	23%	43.0%	55.7%
ECO100725	BCE106489	25%	92.8%	92.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100725	BFU105257	24%	99.2%	98.8%
ECO100725	BMA107737	26%	100%	99.6%
ECO100725	CJU100103	20%	84.4%	78.7%
ECO100725	CDF103562	24%	39.2%	22.0%
ECO100725	EBC100263	85%	91.6%	97.6%
ECO100725	ECO100725	100%	100%	100%
ECO100725	HPY101257	25%	38.4%	17.4%
ECO100725	KPN300548	85%	100%	99.6%
ECO100725	LPN101284	31%	85.6%	72.7%
ECO100725	MBV103820	48%	12.5%	37.5%
ECO100725	NGO100180	25%	25.9%	30.0%
ECO100725	NME201512	20%	76.4%	74.8%
ECO100725	PRT100140	58%	99.6%	99.2%
ECO100725	PAE200973	36%	80.6%	77.0%
ECO100725	PPU108643	31%	94.7%	96.6%
ECO100725	PSY105481	41%	39.5%	93.7%
ECO100725	SPA100202	84%	74.5%	100%
ECO100725	STY101953	90%	100%	100%
ECO100725	STM101682	90%	100%	100%
ECO100725	TPA100980	24%	35.0%	9.4%
ECO100725	VCH101804	34%	98.9%	99.6%
ECO100725	YPS002077	69%	100%	100%
ECO100741	BPT100548	42%	96.0%	93.5%
ECO100741	BFU102456	40%	51.1%	80.7%
ECO100741	BFU115706	40%	51.7%	72.2%
ECO100741	EBC103505	88%	100%	100%
ECO100741	ECO100741	100%	100%	100%
ECO100741	HIN101656	53%	99.4%	99.7%
ECO100741	KPN305280	78%	100%	99.7%
ECO100741	MCA102353	44%	57.4%	91.9%
ECO100741	PMU100742	50%	99.4%	99.7%
ECO100741	PRT105509	62%	99.7%	99.2%
ECO100741	PAE201860	43%	99.7%	99.2%
ECO100741	PPU112554	42%	95.5%	94.8%
ECO100741	PSY105309	43%	94.3%	96.3%
ECO100741	SPA101804	91%	100%	100%
ECO100741	STY102291	91%	100%	100%
ECO100741	STM102051	91%	100%	100%
ECO100741	SAU802277	38%	57.4%	99.5%
ECO100741	SEP200346	37%	58.0%	98.1%
ECO100741	SHA102072	42%	56.8%	98.5%
ECO100741	VCH103445	49%	98.6%	96.2%
ECO100741	YPS002116	70%	99.1%	97.2%
ECO100748	CAC102362	27%	28.8%	40.8%
ECO100748	EBC103508	79%	100%	100%
ECO100748	EFM202173	28%	31.4%	45.6%
ECO100748	ECO100748	100%	100%	100%
ECO100748	KPN307027	77%	100%	100%
ECO100748	MLP100102	30%	14.1%	25.8%
ECO100748	SPA100494	59%	58.3%	99.2%
ECO100748	STY102294	86%	100%	100%
ECO100748	YPS000085	25%	28.6%	34.6%
ECO100757	ABA104944	30%	78.1%	83.9%
ECO100757	BAN113702	42%	45.9%	72.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100757	BAN111016	36%	86.3%	86.7%
ECO100757	BAN102075	36%	88.1%	87.0%
ECO100757	BAN106548	34%	100%	99.4%
ECO100757	BAN111025	34%	100%	100%
ECO100757	BFR100859	26%	46.2%	35.5%
ECO100757	BFR102551	21%	79.3%	60.3%
ECO100757	BPT101117	36%	98.2%	91.8%
ECO100757	BCE102679	33%	98.8%	92.7%
ECO100757	BFU105518	35%	91.8%	83.2%
ECO100757	BMA107904	35%	98.8%	100%
ECO100757	CJU100150	32%	92.7%	93.1%
ECO100757	CAC101752	31%	98.8%	100%
ECO100757	CBO102636	33%	98.8%	99.7%
ECO100757	CDF101204	29%	98.8%	100%
ECO100757	CDP101688	31%	86.0%	98.0%
ECO100757	EBC102210	89%	100%	100%
ECO100757	EFA202347	33%	98.8%	100%
ECO100757	ECO100757	100%	100%	100%
ECO100757	HIN101641	61%	99.4%	96.7%
ECO100757	HPY100755	27%	98.8%	99.7%
ECO100757	KPN303579	87%	100%	100%
ECO100757	LMO102857	31%	98.8%	99.1%
ECO100757	MCA103672	43%	99.1%	89.5%
ECO100757	MAV105594	35%	95.1%	87.4%
ECO100757	MBV102851	33%	92.4%	83.4%
ECO100757	MTU203069	33%	92.4%	85.5%
ECO100757	PMU100625	61%	98.8%	96.1%
ECO100757	PRT104379	73%	99.1%	99.4%
ECO100757	PAE201504	35%	99.4%	99.1%
ECO100757	PPU106301	36%	93.3%	92.2%
ECO100757	PSY105427	35%	98.2%	99.7%
ECO100757	SPA102732	91%	100%	100%
ECO100757	STY102330	92%	100%	100%
ECO100757	STM102089	92%	100%	100%
ECO100757	SAU802268	33%	100%	100%
ECO100757	SEP200319	32%	100%	100%
ECO100757	SHA101565	32%	100%	100%
ECO100757	SMU100479	23%	57.1%	50.4%
ECO100757	VCH101005	63%	100%	98.5%
ECO100757	YPS002149	78%	99.1%	99.4%
ECO100777	BPT102988	35%	92.2%	95.2%
ECO100777	BCE112934	54%	97.8%	95.4%
ECO100777	CAC102641	28%	89.2%	90.0%
ECO100777	ECO100777	100%	100%	100%
ECO100777	KPN303263	70%	99.7%	100%
ECO100777	PAE201251	32%	65.9%	69.8%
ECO100777	PPU110335	35%	67.0%	69.8%
ECO100784	BAN110623	55%	5.5%	81.1%
ECO100784	BAN108902	30%	31.7%	84.3%
ECO100784	BCE100234	33%	41.2%	84.5%
ECO100784	BFU111584	27%	72.5%	65.4%
ECO100784	CAC100165	28%	33.0%	88.1%
ECO100784	CBO103029	25%	28.4%	75.8%
ECO100784	CDP101252	28%	27.1%	60.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100784	EBC100646	89%	49.1%	100%
ECO100784	EFA201399	30%	32.6%	82.4%
ECO100784	ECO100784	100%	100%	100%
ECO100784	KPN306689	80%	92.6%	99.2%
ECO100784	LMO100404	28%	34.0%	92.2%
ECO100784	MAV104987	26%	33.8%	85.6%
ECO100784	MBV105868	27%	33.6%	89.3%
ECO100784	MTU203064	27%	33.6%	89.3%
ECO100784	PAE205116	23%	93.9%	97.8%
ECO100784	PPU108041	24%	92.6%	98.6%
ECO100784	PSY102229	25%	60.8%	77.4%
ECO100784	SPA100728	92%	34.9%	100%
ECO100784	STY102372	85%	94.3%	100%
ECO100784	SAU800361	30%	32.1%	87.7%
ECO100784	SEP201337	28%	32.1%	88.3%
ECO100784	SHA102218	31%	32.6%	89.1%
ECO100784	SMU101383	28%	29.4%	79.6%
ECO100784	SPN401595	29%	19.8%	79.6%
ECO100784	SPY201460	30%	28.2%	77.9%
ECO100785	BPT102642	71%	100%	99.2%
ECO100785	BCE104102	70%	100%	99.2%
ECO100785	BFU108289	57%	99.6%	86.0%
ECO100785	BMA103265	70%	100%	99.2%
ECO100785	CJU100833	51%	99.6%	98.8%
ECO100785	CAC102217	57%	99.2%	97.1%
ECO100785	CBO101000	56%	99.6%	92.3%
ECO100785	EBC100550	93%	61.2%	100%
ECO100785	EFA200968	56%	97.9%	95.9%
ECO100785	ECO100785	100%	100%	100%
ECO100785	KPN303595	93%	100%	100%
ECO100785	LPN103564	38%	98.8%	98.2%
ECO100785	SPA101969	91%	100%	100%
ECO100785	STY102373	95%	100%	100%
ECO100785	SHA100687	54%	93.3%	99.6%
ECO100785	SMU100131	57%	99.2%	96.7%
ECO100785	SPN400728	56%	99.6%	98.0%
ECO100785	YPS000346	83%	100%	100%
ECO100786	BAN105137	37%	93.2%	98.5%
ECO100786	BAN106432	38%	93.6%	87.8%
ECO100786	BCE107126	60%	100%	92.8%
ECO100786	BMA105276	60%	100%	100%
ECO100786	CJU100870	37%	97.3%	80.8%
ECO100786	EBC100624	93%	100%	100%
ECO100786	EFA201954	37%	97.3%	42.3%
ECO100786	EFM202037	33%	94.1%	94.9%
ECO100786	ECO100786	100%	100%	100%
ECO100786	HPY101152	27%	99.1%	98.2%
ECO100786	KPN303596	94%	100%	100%
ECO100786	LMO100160	38%	95.4%	42.7%
ECO100786	NGO100237	38%	98.2%	97.6%
ECO100786	NME201568	38%	98.2%	97.6%
ECO100786	PRT102830	34%	91.8%	79.1%
ECO100786	PAE205070	43%	95.0%	63.8%
ECO100786	PPU106787	45%	95.0%	63.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100786	PSY102557	39%	99.1%	97.7%
ECO100786	SPA101970	95%	99.5%	100%
ECO100786	STY102374	96%	100%	100%
ECO100786	SMU101490	38%	92.2%	40.8%
ECO100786	SPN400409	39%	92.2%	67.8%
ECO100786	SPY200205	37%	91.3%	40.0%
ECO100786	VCH103754	36%	92.2%	74.8%
ECO100786	YPS000343	83%	100%	100%
ECO100791	EBC102171	80%	99.8%	99.6%
ECO100791	ECO100791	100%	100%	100%
ECO100791	HIN101041	29%	77.6%	82.7%
ECO100791	HIN100985	31%	91.8%	92.5%
ECO100791	KPN301162	77%	98.7%	100%
ECO100791	LPN101642	24%	33.8%	27.8%
ECO100791	NGO100602	42%	24.3%	72.7%
ECO100791	NME101282	34%	86.1%	83.6%
ECO100791	PRT100704	35%	93.7%	95.3%
ECO100791	SPA102068	80%	74.6%	100%
ECO100791	STY102390	83%	99.8%	100%
ECO100798	ABA103859	41%	99.3%	99.6%
ECO100798	CBO103381	29%	94.8%	97.0%
ECO100798	CDF100774	31%	96.3%	98.5%
ECO100798	CDP100194	28%	97.0%	98.5%
ECO100798	EBC101153	80%	99.6%	100%
ECO100798	ECO100798	100%	100%	100%
ECO100798	KPN302749	81%	100%	100%
ECO100798	LMO102831	36%	98.5%	99.6%
ECO100798	MGE100271	23%	93.7%	96.0%
ECO100798	SPA100708	88%	99.3%	100%
ECO100798	STY102396	88%	99.3%	100%
ECO100798	STM102169	88%	99.3%	100%
ECO100798	SAU802525	36%	95.2%	97.4%
ECO100798	SEP201092	35%	96.3%	97.4%
ECO100798	SMU100886	36%	97.0%	98.5%
ECO100798	SPN401305	33%	97.4%	98.9%
ECO100798	SPY200407	29%	96.3%	99.6%
ECO100799	EBC101152	92%	94.0%	100%
ECO100799	ECO100799	100%	100%	100%
ECO100799	KPN302752	92%	100%	100%
ECO100799	SPA100176	95%	39.5%	99.1%
ECO100799	STY102397	95%	100%	100%
ECO100799	SMU101536	50%	99.0%	97.1%
ECO100799	SPN400232	50%	99.9%	98.7%
ECO100799	SPY201569	53%	99.0%	98.6%
ECO100808	BAN100561	50%	91.1%	100%
ECO100808	BAN104237	51%	91.1%	92.0%
ECO100808	BPT101723	71%	92.7%	94.0%
ECO100808	BCE106581	76%	93.4%	95.3%
ECO100808	BFU105826	76%	95.4%	96.3%
ECO100808	BMA100352	76%	93.4%	93.7%
ECO100808	CDP100606	41%	87.8%	98.2%
ECO100808	EBC102792	87%	100%	100%
ECO100808	ECO100808	100%	100%	100%
ECO100808	KPN302758	87%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100808	LPN102009	30%	71.9%	53.3%
ECO100808	MAV102744	36%	90.1%	93.8%
ECO100808	MBV101586	35%	90.1%	95.1%
ECO100808	MTU203610	36%	85.5%	97.4%
ECO100808	SPA101182	90%	100%	100%
ECO100808	STY102416	91%	100%	100%
ECO100808	STM102205	91%	100%	100%
ECO100808	SAU800207	37%	90.8%	70.8%
ECO100808	SPY201539	33%	74.6%	83.2%
ECO100809	ECO100809	100%	100%	100%
ECO100809	MCA102378	23%	13.9%	50.8%
ECO100809	SAU802073	32%	6.0%	9.9%
ECO100810	CAC100997	29%	36.0%	63.8%
ECO100810	CAC102604	28%	51.8%	91.3%
ECO100810	ECO100810	100%	100%	100%
ECO100811	ABA101330	68%	98.4%	98.2%
ECO100811	BFR102640	38%	97.3%	98.1%
ECO100811	BPT100744	73%	98.4%	99.1%
ECO100811	BCE106919	64%	98.6%	99.6%
ECO100811	BFU100161	64%	97.7%	100%
ECO100811	BMA105812	62%	97.7%	97.4%
ECO100811	CJU101372	34%	95.2%	95.2%
ECO100811	CPN200500	37%	99.1%	87.9%
ECO100811	CAC101960	36%	97.5%	97.3%
ECO100811	CBO102372	38%	97.5%	97.3%
ECO100811	CDF100866	39%	97.5%	98.0%
ECO100811	EBC102793	96%	100%	100%
ECO100811	ECO100811	100%	100%	100%
ECO100811	HPY100722	30%	95.0%	94.8%
ECO100811	KPN302759	94%	100%	100%
ECO100811	LPN100817	60%	42.0%	100%
ECO100811	MCA100109	62%	99.3%	86.8%
ECO100811	PMU101571	75%	98.4%	98.7%
ECO100811	PRT105016	87%	100%	99.5%
ECO100811	PAE200915	73%	99.1%	99.5%
ECO100811	PPU104571	71%	100%	100%
ECO100811	PSY104389	70%	91.6%	98.8%
ECO100811	SPA101181	97%	100%	100%
ECO100811	STY102418	97%	100%	100%
ECO100811	SPY200723	31%	16.8%	28.5%
ECO100811	VCH102583	77%	97.7%	91.7%
ECO100836	CPN200269	31%	88.5%	83.4%
ECO100836	CTR200650	29%	91.8%	86.1%
ECO100836	EBC100514	87%	100%	93.8%
ECO100836	ECO100836	100%	100%	100%
ECO100836	HPY101155	24%	84.4%	73.6%
ECO100836	KPN302146	87%	100%	98.0%
ECO100836	LPN100743	23%	99.2%	96.0%
ECO100836	LPN103487	27%	97.5%	98.3%
ECO100836	LPN102814	33%	94.7%	95.2%
ECO100836	LPN101937	26%	98.4%	97.6%
ECO100836	LPN103612	32%	97.5%	99.2%
ECO100836	MCA100559	35%	90.9%	84.4%
ECO100836	MCA102170	36%	95.5%	91.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100836	MCA100560	36%	92.6%	83.1%
ECO100836	PAE205148	42%	99.2%	96.4%
ECO100836	PPU109095	43%	89.3%	97.7%
ECO100836	SPA102374	91%	97.5%	100%
ECO100836	STY102490	91%	100%	100%
ECO100836	SEP100077	33%	90.1%	79.3%
ECO100836	SMU100993	32%	91.8%	82.7%
ECO100838	EBC104449	92%	75.2%	100%
ECO100838	ECO100838	100%	100%	100%
ECO100838	HIN101151	55%	95.4%	94.1%
ECO100838	KPN301800	91%	99.6%	99.6%
ECO100838	PMU100125	55%	95.4%	94.2%
ECO100838	PRT100750	67%	100%	100%
ECO100838	SPA100500	91%	45.4%	100%
ECO100838	STY102492	94%	99.6%	99.6%
ECO100838	VCH103478	53%	92.9%	89.1%
ECO100838	YPS001173	79%	100%	100%
ECO100844	BAN111580	48%	8.9%	77.5%
ECO100844	BAN100129	33%	66.2%	83.3%
ECO100844	BAN113145	35%	94.0%	98.8%
ECO100844	BFR13634	23%	95.4%	99.1%
ECO100844	EBC102012	88%	96.0%	100%
ECO100844	ECO100844	100%	100%	100%
ECO100844	KPN300042	88%	43.6%	96.2%
ECO100844	KPN301813	89%	96.6%	100%
ECO100844	LPN103633	35%	93.1%	97.6%
ECO100844	MAV100805	25%	92.6%	89.6%
ECO100844	MBV104384	23%	92.0%	88.1%
ECO100844	MTU201091	23%	92.0%	88.1%
ECO100844	PAE204359	31%	95.4%	99.7%
ECO100844	PPU101560	29%	94.0%	97.9%
ECO100844	PSY101773	30%	94.0%	97.9%
ECO100844	SPA100744	84%	100%	100%
ECO100844	STY102502	93%	96.6%	100%
ECO100844	SMU100712	25%	94.8%	95.1%
ECO100844	YPS002695	44%	94.3%	97.3%
ECO100844	YPS001180	73%	95.7%	99.1%
ECO100848	BCE111932	31%	95.0%	89.3%
ECO100848	BFU111768	29%	94.7%	88.1%
ECO100848	BMA108604	31%	95.0%	89.2%
ECO100848	CAC101222	26%	58.7%	70.5%
ECO100848	CBO101327	21%	65.5%	79.2%
ECO100848	CDF103953	36%	19.9%	9.8%
ECO100848	CDP100938	27%	88.5%	76.3%
ECO100848	EBC102313	86%	100%	100%
ECO100848	ECO100848	100%	100%	100%
ECO100848	KPN301808	89%	100%	100%
ECO100848	LPN100990	29%	96.6%	53.9%
ECO100848	MBV101709	28%	78.9%	68.7%
ECO100848	MTU203187	28%	78.9%	68.7%
ECO100848	PRT102449	55%	100%	100%
ECO100848	PAE205406	30%	94.7%	92.6%
ECO100848	PPU107514	27%	94.1%	91.6%
ECO100848	PSY102789	27%	95.7%	93.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100848	SPA100209	87%	95.7%	100%
ECO100848	STY102872	89%	100%	99.7%
ECO100848	YPS001188	59%	99.1%	97.4%
ECO100850	ABA101625	29%	92.7%	97.4%
ECO100850	BFR105073	28%	60.3%	97.1%
ECO100850	BFR10379	34%	60.3%	97%
ECO100850	CBO100922	37%	54.0%	86.9%
ECO100850	EBC102315	84%	94.9%	100%
ECO100850	ECO100850	100%	100%	100%
ECO100850	HIN101420	47%	60.3%	97.4%
ECO100850	KPN301812	82%	94.9%	100%
ECO100850	MCA102941	38%	93.7%	97.4%
ECO100850	NGO101297	39%	93.3%	97%
ECO100850	NME201609	39%	93.7%	97.3%
ECO100850	PMU100465	45%	94.9%	99.0%
ECO100850	PRT103160	59%	94.9%	100%
ECO100850	SPA100944	88%	94.9%	100%
ECO100850	STY102874	88%	94.9%	100%
ECO100850	VCH101132	52%	94.3%	98.3%
ECO100850	YPS001192	71%	94.6%	100%
ECO100851	ABA105899	66%	98.7%	99.1%
ECO100851	BAN110789	36%	95.2%	98.6%
ECO100851	BAN100809	43%	98.7%	46.2%
ECO100851	BCE113237	66%	99.1%	93.1%
ECO100851	BFU108967	66%	99.1%	89.6%
ECO100851	BMA109080	70%	95.7%	94.4%
ECO100851	CDF103952	26%	60.2%	46.6%
ECO100851	EBC102316	89%	100%	100%
ECO100851	EFA200743	45%	99.1%	99.5%
ECO100851	ECO100851	100%	100%	100%
ECO100851	KPN301409	90%	72.7%	94.4%
ECO100851	PAE204031	71%	99.1%	99.6%
ECO100851	PPU107265	69%	98.3%	97.0%
ECO100851	SPN401602	37%	97.4%	97.7%
ECO100852	BFU100163	23%	79.7%	75.4%
ECO100852	CBO101403	24%	31.7%	26.2%
ECO100852	EBC102317	84%	92.9%	100%
ECO100852	ECO100852	100%	100%	100%
ECO100852	KPN301415	86%	100%	100%
ECO100852	PMU100466	38%	99.3%	99.8%
ECO100852	PRT101841	55%	100%	100%
ECO100852	PPU100582	20%	79.7%	70.3%
ECO100852	PSY101212	22%	79.7%	72.5%
ECO100852	SPA101097	82%	61.6%	100%
ECO100852	STY102875	89%	100%	100%
ECO100852	STM102673	89%	100%	100%
ECO100852	VCH103268	43%	99.5%	97.7%
ECO100852	YPS001193	64%	100%	99.8%
ECO100867	ABA105367	43%	95.5%	99.5%
ECO100867	BAN106540	36%	80.5%	98.4%
ECO100867	BAN103047	39%	95.7%	97.9%
ECO100867	BFR11901	44%	95.5%	99.5%
ECO100867	BPT102656	54%	98.0%	98.2%
ECO100867	BCE114975	54%	95.7%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100867	BFU101858	54%	93.1%	99.5%
ECO100867	BMA110026	54%	95.7%	96.8%
ECO100867	CJU100186	32%	84.8%	89.3%
ECO100867	CAC102995	47%	94.6%	94.8%
ECO100867	CBO100306	35%	91.9%	96.4%
ECO100867	CDF100879	35%	94.0%	96.5%
ECO100867	CDP100385	44%	95.5%	92.9%
ECO100867	EBC101259	94%	100%	100%
ECO100867	EFA202198	38%	91.5%	94.8%
ECO100867	EFM200319	38%	96.0%	92.4%
ECO100867	ECO100867	100%	100%	100%
ECO100867	HIN101557	73%	100%	100%
ECO100867	HPY101009	31%	84.8%	90.0%
ECO100867	KPN301123	95%	99.8%	100%
ECO100867	LPN101679	50%	87.5%	97.7%
ECO100867	LMO100087	37%	93.7%	99.1%
ECO100867	MCA101668	45%	90.2%	94.9%
ECO100867	MAV102138	44%	93.3%	90.4%
ECO100867	MBV100989	42%	95.1%	92.7%
ECO100867	MLP100308	42%	94.2%	87.5%
ECO100867	MTU202522	42%	95.1%	92.7%
ECO100867	NGO101204	54%	95.5%	96.6%
ECO100867	NME201305	54%	96.6%	97.7%
ECO100867	PMU100257	73%	99.8%	100%
ECO100867	PRT102616	85%	100%	97.8%
ECO100867	PAE202611	60%	97.8%	98.2%
ECO100867	PPU100863	59%	97.8%	98.2%
ECO100867	PSY104188	60%	96.6%	97.3%
ECO100867	SPA103469	95%	99.8%	100%
ECO100867	STY102895	97%	100%	100%
ECO100867	STM102717	97%	100%	100%
ECO100867	SAU801627	36%	90.6%	94.1%
ECO100867	SEP201572	35%	90.6%	94.3%
ECO100867	SHA100667	39%	38.0%	76.4%
ECO100867	SMU100656	36%	91.1%	95.0%
ECO100867	SPN401614	36%	91.1%	94.6%
ECO100867	SPY201532	37%	91.1%	94.8%
ECO100867	UUR100196	31%	91.3%	95.1%
ECO100867	VCH101089	73%	99.8%	99.6%
ECO100867	YPS001228	86%	100%	100%
ECO100868	ABA101808	66%	99.8%	99.8%
ECO100868	BAN101821	48%	96.0%	96.7%
ECO100868	BAN102446	52%	98.8%	98.8%
ECO100868	BFR104902	40%	98.1%	98.3%
ECO100868	BPT102654	55%	99.1%	98.9%
ECO100868	BBU100225	33%	99.8%	99.1%
ECO100868	BCE111542	55%	50.7%	98.2%
ECO100868	BFU101860	62%	99.3%	98.4%
ECO100868	BMA100713	62%	99.8%	98.4%
ECO100868	CJU100357	47%	98.1%	99.8%
ECO100868	CPN200980	40%	99.8%	98.8%
ECO100868	CTR200102	40%	99.8%	98.6%
ECO100868	CAC102168	46%	98.4%	98.6%
ECO100868	CBO103963	48%	99.8%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100868	CDF100043	49%	24.0%	90.6%
ECO100868	CDF100480	48%	98.4%	98.6%
ECO100868	CDF100128	47%	98.4%	98.6%
ECO100868	CDP100672	38%	98.4%	97.9%
ECO100868	EBC101260	92%	100%	100%
ECO100868	EFA202450	52%	99.8%	99.8%
ECO100868	EFA200752	53%	99.8%	99.8%
ECO100868	EFM202627	51%	99.8%	99.8%
ECO100868	ECO100868	100%	100%	100%
ECO100868	HIN100109	77%	100%	99.8%
ECO100868	HPY101459	47%	98.4%	100%
ECO100868	KPN301832	95%	74.4%	100%
ECO100868	LPN101085	58%	99.8%	99.3%
ECO100868	LMO102194	51%	99.8%	99.1%
ECO100868	MCA100776	60%	99.8%	99.8%
ECO100868	MAV103250	37%	98.4%	97.2%
ECO100868	MBV105246	36%	99.8%	99.0%
ECO100868	MLP100058	34%	98.4%	97.8%
ECO100868	MTU203779	36%	99.8%	99.0%
ECO100868	MGE100005	38%	98.6%	98.8%
ECO100868	MPN100149	38%	98.6%	98.1%
ECO100868	NGO100535	64%	99.1%	98.6%
ECO100868	NME201792	64%	99.1%	98.6%
ECO100868	PMU100258	77%	100%	100%
ECO100868	PRT102618	81%	100%	100%
ECO100868	PAE202610	65%	100%	100%
ECO100868	PPU100866	67%	99.8%	99.8%
ECO100868	PSY104164	66%	100%	100%
ECO100868	SPA103470	95%	100%	100%
ECO100868	STY102896	97%	100%	100%
ECO100868	STM102719	97%	100%	100%
ECO100868	SAU800009	51%	98.8%	97.9%
ECO100868	SEP201273	53%	98.8%	97.9%
ECO100868	SHA102263	52%	98.8%	97.9%
ECO100868	SMU101313	55%	99.8%	99.1%
ECO100868	SPN400372	55%	99.8%	94.8%
ECO100868	SPY201341	56%	98.8%	98.4%
ECO100868	TPA100639	33%	99.8%	98.8%
ECO100868	UUR100105	47%	98.4%	99.8%
ECO100868	VCH101091	71%	100%	100%
ECO100868	YPS001230	84%	100%	100%
ECO100869	BCE108240	28%	92.4%	98.1%
ECO100869	BFU105642	27%	96.1%	98.7%
ECO100869	EBC101397	90%	96.3%	100%
ECO100869	ECO100869	100%	100%	100%
ECO100869	HIN101025	74%	100%	97.4%
ECO100869	KPN301830	89%	100%	96.4%
ECO100869	PMU101754	74%	100%	93.5%
ECO100869	PRT105822	80%	99.6%	100%
ECO100869	SPA103471	90%	99.9%	97.9%
ECO100869	STY102898	92%	99.9%	96.3%
ECO100869	STM103286	93%	99.9%	96.3%
ECO100869	YPS000005	82%	99.9%	96.3%
ECO100875	BCE105376	36%	99.7%	96.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100875	BFU114870	41%	95.7%	96.7%
ECO100875	BMA101338	35%	95.4%	96.4%
ECO100875	EBC103818	40%	94.4%	96.6%
ECO100875	ECO100875	100%	100%	100%
ECO100875	KPN301597	38%	95.4%	99.7%
ECO100875	PMU101945	47%	32.1%	66.0%
ECO100875	PAE201737	42%	94.7%	95.4%
ECO100875	PSY108744	39%	95.4%	95.7%
ECO100875	SPA101562	37%	94.4%	98.3%
ECO100875	STY103217	37%	97.4%	95.2%
ECO100876	BAN112918	36%	58.2%	58.6%
ECO100876	BAN107114	36%	58.2%	58.6%
ECO100876	BFR102217	24%	37.8%	52.9%
ECO100876	BFR104285	27%	36.7%	49.7%
ECO100876	BPT103683	29%	46.9%	40.4%
ECO100876	BFU103218	36%	63.8%	59.6%
ECO100876	CAC100905	30%	53.6%	51.5%
ECO100876	CBO103246	33%	56.6%	58.2%
ECO100876	EBC102970	30%	81.1%	83.4%
ECO100876	ECO100876	100%	100%	100%
ECO100876	HIN101513	33%	79.1%	79.2%
ECO100876	LMO101606	33%	30.1%	30.3%
ECO100876	PMU100887	29%	87.8%	86.8%
ECO100876	PSY103215	26%	55.1%	50.5%
ECO100876	SAU800601	27%	47.4%	51.7%
ECO100876	SEP201386	27%	47.4%	58.8%
ECO100876	SHA102380	24%	95.4%	90.1%
ECO100876	SHA102445	33%	56.6%	62.5%
ECO100876	SMU102024	33%	55.1%	55.9%
ECO100885	ABA100088	49%	95.6%	96.5%
ECO100885	BAN107282	44%	15.9%	83.7%
ECO100885	BAN109524	43%	83.3%	95.0%
ECO100885	BAN105277	47%	92.5%	93.3%
ECO100885	BFR11517	38%	84.1%	92.9%
ECO100885	BPT100195	57%	94.7%	94.6%
ECO100885	BBU100127	29%	90.7%	92.3%
ECO100885	BCE104244	52%	95.2%	93.0%
ECO100885	BFU102075	52%	94.3%	86.8%
ECO100885	BMA105406	52%	95.6%	90.3%
ECO100885	CPN200178	42%	93.0%	95.8%
ECO100885	CTR200727	42%	96.5%	99.5%
ECO100885	CAC100619	37%	95.6%	98.2%
ECO100885	CBO103038	40%	91.6%	89.1%
ECO100885	CDF100096	40%	93.0%	95.8%
ECO100885	CDP101063	43%	91.6%	86.7%
ECO100885	EBC100426	94%	95.2%	100%
ECO100885	EFA201887	41%	95.2%	95.6%
ECO100885	ECO100885	100%	100%	100%
ECO100885	HIN101612	63%	89.0%	77.0%
ECO100885	HIN101191	64%	95.2%	93.5%
ECO100885	KPN300479	91%	78.0%	100%
ECO100885	LPN101006	50%	96.5%	95.7%
ECO100885	LMO100736	42%	95.6%	96.4%
ECO100885	MCA101968	46%	96.5%	92.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100885	MAV102017	41%	97.4%	97.4%
ECO100885	MBV105382	40%	96.5%	95.7%
ECO100885	MLP100851	43%	95.6%	96.0%
ECO100885	MTU201690	40%	96.5%	95.7%
ECO100885	MGE100338	35%	96.5%	98.2%
ECO100885	MPN100365	38%	94.3%	95.9%
ECO100885	NGO100241	47%	95.2%	97.2%
ECO100885	NME201374	46%	95.2%	97.2%
ECO100885	PMU100802	67%	96.0%	96.0%
ECO100885	PRT100288	78%	97.8%	98.7%
ECO100885	PAE203161	60%	98.2%	98.3%
ECO100885	PPU108319	62%	94.7%	89.7%
ECO100885	PSY100434	62%	93.8%	88.5%
ECO100885	SPA102110	94%	75.8%	100%
ECO100885	STY102912	97%	100%	100%
ECO100885	STM103300	97%	100%	100%
ECO100885	SAU801478	38%	94.7%	96.8%
ECO100885	SEP200463	36%	92.5%	96.3%
ECO100885	SHA101407	34%	92.5%	95.0%
ECO100885	SMU100904	43%	90.7%	84.6%
ECO100885	SPN401455	38%	95.6%	97.8%
ECO100885	SPY200595	43%	91.2%	92.0%
ECO100885	UUR100344	29%	95.6%	95.1%
ECO100885	VCH101886	70%	98.7%	97.8%
ECO100885	YPS001262	84%	99.6%	98.3%
ECO100886	ABA101621	72%	6.5%	93.4%
ECO100886	BAN102603	35%	97.5%	94.8%
ECO100886	BAN106697	35%	97.5%	95.0%
ECO100886	BFR12241	37%	95.9%	89.1%
ECO100886	BPT100197	63%	97.5%	94.3%
ECO100886	BBU100126	28%	95.3%	95.5%
ECO100886	BCE109984	64%	99.5%	93.0%
ECO100886	BFU102076	65%	95.2%	91.9%
ECO100886	BMA105447	63%	99.5%	97.2%
ECO100886	CJU100824	32%	65.5%	94.8%
ECO100886	CPN200436	44%	93.5%	89.3%
ECO100886	CTR200367	45%	92.1%	46.6%
ECO100886	CAC100711	33%	93.2%	27.3%
ECO100886	CBO101243	35%	96.9%	93.8%
ECO100886	CDF100938	28%	93.9%	21.2%
ECO100886	CDP100313	46%	92.1%	17.9%
ECO100886	EBC100136	98%	94.1%	83.3%
ECO100886	EFA201885	35%	77.9%	87.6%
ECO100886	ECO100886	100%	100%	100%
ECO100886	HIN101192	78%	100%	100%
ECO100886	HPY100395	29%	96.4%	95.3%
ECO100886	KPN302625	98%	96.2%	83.5%
ECO100886	LPN102947	66%	100%	100%
ECO100886	LMO101312	36%	91.7%	66.9%
ECO100886	MCA101969	68%	94.8%	91.5%
ECO100886	MAV106579	45%	93.9%	72.7%
ECO100886	MBV101279	45%	93.9%	65.2%
ECO100886	MLP100855	44%	93.9%	72.6%
ECO100886	MTU201609	45%	93.9%	72.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100886	NGO100236	65%	98.9%	98.6%
ECO100886	NME201375	65%	98.9%	98.2%
ECO100886	PMU100801	81%	100%	100%
ECO100886	PRT100600	94%	100%	100%
ECO100886	PAE203160	75%	99.3%	98.9%
ECO100886	PPU100844	75%	96.9%	96.8%
ECO100886	PSY103125	74%	96.8%	96.1%
ECO100886	SPA102059	95%	98.7%	100%
ECO100886	STY102913	99%	100%	100%
ECO100886	STM103301	99%	100%	100%
ECO100886	SAU801476	35%	99.6%	99.7%
ECO100886	SEP200462	33%	97.1%	94.9%
ECO100886	SHA101408	34%	98.9%	97.7%
ECO100886	SMU101029	36%	88.7%	16.5%
ECO100886	SPN400764	34%	92.1%	85.8%
ECO100886	SPY200684	35%	88.7%	16.5%
ECO100886	TPA100276	36%	92.1%	59.9%
ECO100886	VCH101885	84%	100%	100%
ECO100886	YPS001263	94%	100%	100%
ECO100905	BAN103960	46%	95.1%	94.6%
ECO100905	BAN109694	59%	95.9%	95.7%
ECO100905	BFR11425	57%	95.9%	95.5%
ECO100905	BBU100101	53%	98.9%	98.3%
ECO100905	CAC102921	55%	96.1%	95.9%
ECO100905	CBO101487	56%	96.8%	96.5%
ECO100905	CDF103661	53%	98.3%	98.3%
ECO100905	EBC100631	93%	51.5%	100%
ECO100905	EFA200462	35%	96.8%	97.3%
ECO100905	EFM202427	35%	96.8%	97.2%
ECO100905	ECO100905	100%	100%	100%
ECO100905	HIN101268	80%	99.6%	97.3%
ECO100905	KPN303312	95%	96.8%	99.6%
ECO100905	LPN101111	69%	99.6%	99.4%
ECO100905	LMO102390	38%	95.3%	95.8%
ECO100905	MGE100115	39%	100%	100%
ECO100905	MPN100580	40%	98.5%	98.5%
ECO100905	PMU100643	82%	99.6%	98.5%
ECO100905	PRT101955	84%	100%	100%
ECO100905	SPA102566	86%	72.1%	100%
ECO100905	STY102938	94%	100%	100%
ECO100905	SAU801454	37%	96.8%	97.4%
ECO100905	SEP200424	36%	96.8%	97.4%
ECO100905	SHA101874	37%	96.8%	97.4%
ECO100905	SMU100320	34%	95.3%	95.3%
ECO100905	SPN401396	34%	95.3%	95.5%
ECO100905	SPY200469	35%	98.5%	97.3%
ECO100905	TPA100602	49%	95.5%	95.8%
ECO100905	UUR100367	43%	96.1%	95.8%
ECO100905	VCH101278	77%	100%	96.9%
ECO100905	YPS002091	87%	100%	100%
ECO100906	ABA104064	44%	98.5%	99.5%
ECO100906	BAN100917	21%	58.5%	49.3%
ECO100906	BAN111422	23%	79.5%	60.8%
ECO100906	BFR12483	34%	92.5%	95.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100906	BPT100765	41%	96.8%	99.2%
ECO100906	BCE108701	31%	21.8%	91.5%
ECO100906	BCE100481	43%	96.5%	97.2%
ECO100906	BFU104396	42%	96.5%	94.2%
ECO100906	BMA102366	43%	96.5%	87.6%
ECO100906	CDF101027	22%	90.2%	72.3%
ECO100906	CDP101373	24%	79.2%	65.4%
ECO100906	EBC100632	89%	74.8%	99.3%
ECO100906	EFA201594	22%	94.5%	73.1%
ECO100906	ECO100906	100%	100%	100%
ECO100906	KPN301496	87%	100%	100%
ECO100906	LPN101555	24%	93.8%	75.6%
ECO100906	LMO102099	22%	82.5%	62.1%
ECO100906	MCA100938	43%	96.5%	100%
ECO100906	MAV103522	23%	78.2%	64.2%
ECO100906	MBV100308	26%	91.2%	73.0%
ECO100906	MTU200570	26%	91.2%	73.0%
ECO100906	NGO100225	43%	96.8%	98.0%
ECO100906	NME201565	43%	98.2%	95.5%
ECO100906	PRT101956	66%	98.8%	98.8%
ECO100906	PAE204914	52%	97.8%	98.5%
ECO100906	PPU107582	52%	97.8%	98.0%
ECO100906	PSY101887	50%	98.2%	97.1%
ECO100906	SPA102570	90%	100%	100%
ECO100906	STY102950	90%	100%	100%
ECO100906	SAU801913	20%	87%	66.3%
ECO100906	SHA101008	21%	91%	81.4%
ECO100906	SPN401276	23%	86.8%	66.5%
ECO100906	SPY201274	21%	90.8%	71.1%
ECO100906	TPA100621	24%	76.8%	58.2%
ECO100906	VCH102834	42%	97.5%	93.1%
ECO100906	YPS002092	73%	100%	100%
ECO100907	ABA100602	41%	97.7%	96.9%
ECO100907	BFR11621	22%	49.4%	50.4%
ECO100907	BPT100086	46%	99.8%	99.3%
ECO100907	BCE114396	48%	99.0%	98.8%
ECO100907	BFU115907	47%	99.9%	99.7%
ECO100907	BMA106412	49%	81.6%	98.4%
ECO100907	CDF100790	24%	23.4%	39.0%
ECO100907	CDP101250	24%	56.0%	57.7%
ECO100907	EBC102285	90%	68.4%	100%
ECO100907	ECO100907	100%	100%	100%
ECO100907	HIN101581	60%	99.3%	99.5%
ECO100907	KPN301497	89%	100%	100%
ECO100907	LPN103383	48%	99.0%	98.7%
ECO100907	MCA101178	38%	97.6%	96.8%
ECO100907	MAV100155	25%	55.2%	56.1%
ECO100907	MBV101526	26%	51.4%	51.2%
ECO100907	MLP100917	26%	54.9%	55.2%
ECO100907	MTU202431	26%	51.4%	51.3%
ECO100907	NGO101948	47%	99.3%	98.7%
ECO100907	NME201487	48%	99.0%	99.2%
ECO100907	PMU100618	62%	99.5%	99.8%
ECO100907	PRT101957	74%	100%	99.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100907	PAE203081	49%	99.9%	99.8%
ECO100907	PPU101735	50%	99.9%	99.8%
ECO100907	PSY100727	49%	99.9%	100%
ECO100907	SPA102571	87%	89.0%	99.2%
ECO100907	STY103588	93%	100%	100%
ECO100907	STM103420	94%	100%	100%
ECO100907	SMU100931	25%	47.1%	49.1%
ECO100907	SPN400706	24%	54.1%	58.1%
ECO100907	SPY200949	23%	49.2%	51.4%
ECO100907	VCH101471	64%	99.9%	99.8%
ECO100907	YPS002093	77%	100%	99.9%
ECO100915	BFR101304	28%	12.9%	23.1%
ECO100915	ECO100915	100%	100%	100%
ECO100915	SPA104864	52%	96.0%	100%
ECO100915	STM100755	53%	96.0%	96.0%
ECO100954	ECO100954	100%	100%	100%
ECO100954	KPN108215	29%	23.1%	93.9%
ECO100954	PAE203677	29%	24.1%	23.3%
ECO100954	YPS000350	45%	99.1%	97.3%
ECO100956	ABA105111	37%	91.4%	97.2%
ECO100956	BPT100529	36%	86.8%	87.7%
ECO100956	BCE113904	34%	91.4%	86.4%
ECO100956	CAC100153	26%	91.4%	95.3%
ECO100956	EBC101811	60%	71.7%	100%
ECO100956	EFA202033	29%	91.4%	94.9%
ECO100956	ECO100956	100%	100%	100%
ECO100956	KPN206660	62%	92.8%	95.9%
ECO100956	MCA100619	25%	73.7%	83.8%
ECO100956	MAV105287	31%	85.5%	85.3%
ECO100956	MBV104448	27%	75.7%	84.7%
ECO100956	MTU202200	30%	92.1%	93.9%
ECO100956	NGO102044	25%	95.4%	81.6%
ECO100956	NME201339	25%	95.4%	100%
ECO100956	PAE202976	32%	85.5%	90.9%
ECO100956	PPU104816	34%	86.8%	92.2%
ECO100956	SAU801881	26%	83.6%	85.1%
ECO100956	SEP200520	28%	84.2%	85.7%
ECO100956	SHA100516	31%	84.2%	85.7%
ECO100956	SMU101303	22%	90.8%	97.2%
ECO100956	SPN401837	21%	92.1%	96.5%
ECO100956	VCH100900	34%	88.2%	84.9%
ECO100956	VCH101022	35%	92.1%	95.5%
ECO100967	ECO100967	100%	100%	100%
ECO100967	MGE100217	20%	18.6%	36.9%
ECO100967	PAE204977	31%	61.9%	57.0%
ECO100967	SPA101999	62%	60.6%	100%
ECO100967	STY103986	62%	99.1%	98.1%
ECO100967	STM100492	62%	99.1%	98.1%
ECO100967	VCH103430	32%	96.3%	91.7%
ECO100968	ECO100968	100%	100%	100%
ECO100968	SPA102000	66%	98.5%	99.4%
ECO100968	STY103988	66%	100%	100%
ECO100968	VCH103431	45%	86.0%	87.1%
ECO100974	ABA100027	42%	50.3%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100974	ABA102434	39%	97.1%	98.4%
ECO100974	BPT100939	41%	99.3%	99.7%
ECO100974	BBU100654	29%	95.4%	99.3%
ECO100974	BFU108703	44%	98.0%	94.2%
ECO100974	CJU101154	32%	89.5%	93.9%
ECO100974	ECO100974	100%	100%	100%
ECO100974	HPY101007	32%	89.2%	93.4%
ECO100974	KPN302023	81%	100%	100%
ECO100974	LPN101460	46%	98.4%	99.0%
ECO100974	PRT105958	73%	99.0%	99.0%
ECO100974	PPU107631	54%	99.7%	100%
ECO100974	PSY100875	53%	99.0%	97.8%
ECO100974	SPA102643	88%	100%	100%
ECO100974	STY103659	88%	100%	100%
ECO100975	CDF102870	27%	23.4%	35.0%
ECO100975	ECO100975	100%	100%	100%
ECO100975	MTU405812	24%	23.4%	38.1%
ECO100975	YPS002734	31%	12.2%	8.3%
ECO100980	ABA103609	64%	91.2%	98.4%
ECO100980	BPT100698	67%	90.5%	97.5%
ECO100980	BCE105957	69%	91.2%	97.2%
ECO100980	BFU100525	70%	93.3%	99.5%
ECO100980	BMA102208	71%	92.2%	98.4%
ECO100980	CDP100387	45%	88.8%	93.0%
ECO100980	EBC100227	84%	62.1%	100%
ECO100980	ECO100980	100%	100%	100%
ECO100980	KPN303632	88%	92.0%	97.0%
ECO100980	MCA101163	62%	91.4%	97.7%
ECO100996	ABA104763	51%	92.5%	96.9%
ECO100996	BAN108047	29%	38.1%	56.2%
ECO100996	BAN103651	30%	60.5%	42.0%
ECO100996	BPT101490	46%	93.0%	96.7%
ECO100996	BCE102619	53%	64.6%	96.9%
ECO100996	BFU112189	23%	56.5%	52.9%
ECO100996	CAC100112	22%	71.9%	74.5%
ECO100996	CAC102682	23%	85.3%	86.6%
ECO100996	CAC101653	27%	51.9%	53.9%
ECO100996	CBO103276	24%	82.1%	86.8%
ECO100996	CDF100916	23%	83.2%	89.0%
ECO100996	CDP101026	36%	20.4%	35.3%
ECO100996	EBC103183	65%	99.1%	99.1%
ECO100996	EFA200404	23%	91.4%	96.7%
ECO100996	ECO100996	100%	100%	100%
ECO100996	KPN302028	65%	99.1%	99.1%
ECO100996	LMO101233	26%	89.8%	95.0%
ECO100996	MAV104430	38%	10.9%	53.3%
ECO100996	MAV105180	31%	24.7%	30.2%
ECO100996	MAV108796	32%	24.9%	85.2%
ECO100996	MBV103262	25%	47.4%	43.2%
ECO100996	MTU301610	25%	30.6%	35.1%
ECO100996	MTU301614	37%	22.0%	27.7%
ECO100996	PMU101140	35%	26.5%	34.7%
ECO100996	PAE201013	27%	45.4%	59.4%
ECO100996	PAE200704	26%	45.8%	65.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO100996	PSY104248	35%	27.0%	39.8%
ECO100996	SAU802666	39%	91.8%	97.8%
ECO100996	SEP202130	38%	92.5%	98.5%
ECO100996	SMU100325	23%	89.8%	95.0%
ECO100996	SPY201683	22%	56.0%	62.1%
ECO100996	YPS002586	65%	99.8%	99.3%
ECO100997	ABA105171	39%	88.8%	90.4%
ECO100997	BAN105856	32%	7.7%	20.4%
ECO100997	BPT101492	39%	95.1%	91.3%
ECO100997	BCE107987	41%	88.8%	77.3%
ECO100997	CPN200056	26%	11.3%	35.3%
ECO100997	CTR200756	27%	28.7%	74.5%
ECO100997	EBC103182	53%	72.2%	100%
ECO100997	ECO100997	100%	100%	100%
ECO100997	KPN302029	52%	99.9%	99.3%
ECO100997	SPA106070	27%	34.1%	78.8%
ECO100997	STY104122	27%	34.1%	78.8%
ECO100997	STM103813	27%	34.1%	78.8%
ECO100997	YPS002580	48%	98.5%	98.4%
ECO101026	BAN109424	40%	92.9%	44.6%
ECO101026	BAN109023	47%	48.5%	99.3%
ECO101026	BCE102281	25%	47.1%	46.7%
ECO101026	BCE111625	25%	95.6%	47.5%
ECO101026	BFU103468	41%	94.1%	90.8%
ECO101026	CJU101182	35%	96.3%	47.7%
ECO101026	CAC102708	24%	93.4%	95.1%
ECO101026	EBC101388	87%	99.0%	44.9%
ECO101026	EFA201804	51%	97.3%	46.6%
ECO101026	EFM100140	50%	91.2%	64.3%
ECO101026	ECO101026	100%	100%	100%
ECO101026	KPN302511	86%	97.5%	47.3%
ECO101026	LPN100304	25%	94.9%	95.5%
ECO101026	LMO101440	62%	45.3%	97.0%
ECO101026	MAV102451	23%	93.9%	40.5%
ECO101026	PRT100222	71%	95.3%	100%
ECO101026	PSY109052	42%	44.1%	89.5%
ECO101026	SPA101126	90%	99.0%	48.8%
ECO101026	STY102475	90%	99.0%	48.8%
ECO101026	STM104345	60%	96.8%	98.3%
ECO101026	SAU800119	28%	93.6%	42.3%
ECO101026	SEP200736	22%	95.6%	98.7%
ECO101026	SHA102365	24%	95.6%	98.7%
ECO101026	SMU101114	45%	94.1%	98.2%
ECO101026	SPN400875	45%	94.9%	96.5%
ECO101026	SPY200356	44%	45.6%	98.0%
ECO101031	EBC105567	56%	80.4%	100%
ECO101031	ECO101031	100%	100%	100%
ECO101031	KPN306295	59%	80.4%	100%
ECO101031	SPA101094	57%	97.8%	100%
ECO101031	STY102485	64%	80.4%	100%
ECO101032	BCE107994	25%	99.2%	94.0%
ECO101032	EBC101043	75%	99.7%	98.9%
ECO101032	ECO101032	100%	100%	100%
ECO101032	KPN300314	73%	46.0%	95.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101032	KPN302520	76%	99.7%	99.5%
ECO101032	MAV101116	24%	56.2%	61.2%
ECO101032	PPU110237	28%	99.2%	97.7%
ECO101032	PSY104175	30%	98.9%	97.7%
ECO101032	SPA101093	83%	99.7%	100%
ECO101032	STY102486	84%	99.7%	99.5%
ECO101032	YPS003112	64%	100%	100%
ECO101034	EBC101041	82%	100%	100%
ECO101034	ECO101034	100%	100%	100%
ECO101034	KPN302510	70%	100%	97.6%
ECO101034	PRT101047	29%	95.1%	92.6%
ECO101034	SPA103953	37%	95.1%	76.5%
ECO101034	STY102488	83%	100%	100%
ECO101034	STM104609	47%	96.3%	98.7%
ECO101034	SAU801646	30%	56.8%	41.1%
ECO101034	YPS003073	62%	100%	100%
ECO101035	ABA100839	52%	96.8%	98.3%
ECO101035	BPT103038	56%	96.8%	96.6%
ECO101035	BCE114261	56%	97.4%	94.0%
ECO101035	BMA105687	55%	96.8%	96.9%
ECO101035	CJU100231	38%	97.7%	99.7%
ECO101035	EBC101229	93%	54.6%	100%
ECO101035	ECO101035	100%	100%	100%
ECO101035	HPY100574	30%	96.6%	97.3%
ECO101035	KPN302512	89%	100%	100%
ECO101035	MCA101086	52%	98.3%	98.9%
ECO101035	NGO100980	55%	98.3%	99.4%
ECO101035	NME200819	54%	98.3%	99.4%
ECO101035	PRT103497	75%	38.2%	100%
ECO101035	PAE203525	56%	98.3%	98.3%
ECO101035	PPU101541	57%	97.7%	97.7%
ECO101035	PSY105203	55%	98.9%	99.1%
ECO101035	SPA100686	86%	100%	100%
ECO101035	STY102489	88%	100%	100%
ECO101035	VCH103644	55%	97.7%	96.9%
ECO101035	YPS003083	72%	100%	100%
ECO101036	CAC100319	25%	83.3%	81.8%
ECO101036	EBC101230	82%	100%	100%
ECO101036	ECO101036	100%	100%	100%
ECO101036	KPN302515	78%	100%	100%
ECO101036	PRT103115	42%	97.8%	98.9%
ECO101036	PAE200954	42%	26.3%	15.4%
ECO101036	SPA100687	88%	100%	100%
ECO101036	STY102495	88%	98.9%	88.5%
ECO101036	YPS003344	64%	100%	100%
ECO101041	BAN106223	42%	98.7%	93.8%
ECO101041	BMA100330	30%	56.7%	54.8%
ECO101041	CDF101870	40%	97.7%	98.4%
ECO101041	EBC101201	79%	100%	100%
ECO101041	EFA200828	30%	97.4%	97.7%
ECO101041	EFM200723	28%	85.7%	85.3%
ECO101041	ECO101041	100%	100%	100%
ECO101041	KPN302526	75%	99.3%	99.0%
ECO101041	LMO100839	33%	97.4%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101041	SPA100606	75%	96.1%	57.8%
ECO101041	STY102505	80%	100%	100%
ECO101041	STM102670	81%	100%	100%
ECO101041	SPY201609	30%	96.1%	94.9%
ECO101041	VCH103764	29%	96.7%	96.5%
ECO101041	YPS003368	62%	97.7%	56.0%
ECO101048	ABA102849	28%	64.5%	86.0%
ECO101048	BAN107248	24%	35.1%	69.6%
ECO101048	BAN108027	25%	45.0%	50.5%
ECO101048	BFR102099	23%	82.3%	71.5%
ECO101048	BPT101052	44%	98.3%	97.4%
ECO101048	BBU100283	29%	38.1%	63.9%
ECO101048	BCE104352	42%	97.0%	87.9%
ECO101048	BFU115968	42%	94.4%	90%
ECO101048	BMA102063	41%	91.3%	73.3%
ECO101048	CJU100042	26%	87.0%	71.4%
ECO101048	CAC100829	26%	93.5%	87.0%
ECO101048	CDF102709	34%	38.1%	45.5%
ECO101048	EBC100895	82%	100%	100%
ECO101048	ECO101048	100%	100%	100%
ECO101048	HPY100891	25%	68.4%	64.5%
ECO101048	LPN102505	32%	95.2%	98.7%
ECO101048	LMO101524	29%	56.7%	95%
ECO101048	PRT102170	38%	99.6%	99.6%
ECO101048	PAE201078	35%	95.2%	87.8%
ECO101048	PPU100759	32%	99.6%	99.1%
ECO101048	PSY104584	30%	83.5%	98.9%
ECO101048	SPA101329	79%	100%	100%
ECO101048	STY102512	84%	100%	100%
ECO101048	STM102682	84%	100%	100%
ECO101048	TPA100720	34%	26.4%	39.9%
ECO101048	VCH102165	34%	79.2%	75.3%
ECO101048	YPS001380	68%	97.4%	98.7%
ECO101060	ABA100920	45%	89.4%	95.4%
ECO101060	BPT102625	46%	93.2%	96.0%
ECO101060	BCE114484	48%	90.3%	90.5%
ECO101060	BFU100680	46%	93.2%	95.1%
ECO101060	BMA107485	48%	93.2%	82.3%
ECO101060	CDP100836	33%	77.8%	93.1%
ECO101060	EBC101771	79%	99.0%	100%
ECO101060	ECO101060	100%	100%	100%
ECO101060	KPN302522	81%	100%	100%
ECO101060	LPN101285	32%	81.2%	92.7%
ECO101060	MLP100441	30%	90.8%	93.9%
ECO101060	NGO101420	41%	91.3%	96.9%
ECO101060	NME200506	42%	91.3%	96.9%
ECO101060	PRT105698	57%	93.2%	97.0%
ECO101060	PAE202970	59%	90.8%	97.9%
ECO101060	PPU101763	51%	90.8%	97.9%
ECO101060	PSY101701	56%	90.8%	97.9%
ECO101060	SPA100594	84%	99.0%	100%
ECO101060	STY102526	86%	92.8%	99.0%
ECO101060	VCH101997	57%	90.8%	96.9%
ECO101060	YPS003109	67%	92.8%	97.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101066	ABA100557	58%	99.6%	99.6%
ECO101066	BAN107352	43%	96.7%	97.6%
ECO101066	BAN101218	56%	98.4%	99.2%
ECO101066	BFR10719	45%	98.4%	98.4%
ECO101066	BPT102619	65%	98.4%	96.4%
ECO101066	BCE112767	62%	97.5%	96.8%
ECO101066	BFU100684	63%	97.5%	96.8%
ECO101066	BMA106290	60%	97.5%	96.8%
ECO101066	CJU100403	45%	99.6%	100%
ECO101066	CPN200456	45%	97.1%	96.8%
ECO101066	CTR200501	50%	96.7%	96.8%
ECO101066	CAC102747	34%	97.5%	90.8%
ECO101066	CAC100570	51%	98.0%	97.6%
ECO101066	CBO102327	49%	97.5%	96.0%
ECO101066	CDF101772	49%	99.6%	99.2%
ECO101066	EBC100251	92%	67.6%	100%
ECO101066	EFA200243	42%	99.6%	99.2%
ECO101066	EFM201914	41%	99.6%	99.2%
ECO101066	ECO101066	100%	100%	100%
ECO101066	HIN100148	74%	98.4%	99.2%
ECO101066	HPY100554	45%	99.6%	100%
ECO101066	KPN300814	93%	100%	100%
ECO101066	LPN103118	60%	99.6%	99.2%
ECO101066	LMO102009	52%	99.6%	100%
ECO101066	MCA101812	58%	82.8%	94.0%
ECO101066	MAV103641	47%	98.8%	91.4%
ECO101066	MBV100667	44%	98.8%	94.3%
ECO101066	MLP101100	47%	98.8%	92.1%
ECO101066	MTU201462	44%	98.8%	94.3%
ECO101066	NGO101381	68%	99.2%	98.0%
ECO101066	NME200494	69%	99.2%	98.0%
ECO101066	PMU101916	78%	98.0%	98.8%
ECO101066	PRT100071	84%	100%	100%
ECO101066	PAE202965	64%	99.6%	99.6%
ECO101066	PPU101751	65%	99.6%	100%
ECO101066	PSY108154	64%	99.6%	99.6%
ECO101066	SPA100959	94%	100%	100%
ECO101066	STY102532	95%	100%	100%
ECO101066	STM102721	95%	100%	100%
ECO101066	SAU801231	55%	97.5%	98.4%
ECO101066	SEP200094	31%	97.5%	98.8%
ECO101066	SEP201523	55%	97.5%	99.2%
ECO101066	SHA101738	54%	97.5%	98.8%
ECO101066	SMU100541	40%	99.6%	99.6%
ECO101066	SPN400381	44%	99.6%	100%
ECO101066	SPY201348	42%	99.6%	99.6%
ECO101066	VCH101991	81%	100%	98.4%
ECO101066	YPS003130	86%	100%	100%
ECO101067	ABA100149	65%	56.4%	89.8%
ECO101067	BAN107311	61%	97.4%	95%
ECO101067	BFR100793	61%	97.4%	97.4%
ECO101067	BPT104633	75%	97.4%	96.2%
ECO101067	BBU100703	48%	89.7%	87.5%
ECO101067	BCE109854	77%	92.3%	91.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101067	BFU104450	77%	92.3%	91.1%
ECO101067	BMA104399	77%	92.3%	91.1%
ECO101067	CJU100409	47%	94.9%	94.8%
ECO101067	CPN200457	53%	97.4%	96.2%
ECO101067	CTR200500	50%	96.2%	97.4%
ECO101067	CAC100280	59%	91.0%	92.2%
ECO101067	CBO102204	61%	93.6%	70.2%
ECO101067	CDF104494	49%	91.0%	95.9%
ECO101067	CDF102560	55%	87.2%	92%
ECO101067	CDP102441	31%	78.2%	63.2%
ECO101067	EBC107855	26%	91.0%	85.5%
ECO101067	EFA204896	48%	87.2%	86.1%
ECO101067	EFM201177	56%	59.0%	88.5%
ECO101067	ECO101067	100%	100%	100%
ECO101067	HIN100147	82%	96.2%	98.7%
ECO101067	HPY100946	57%	87.2%	43.8%
ECO101067	HPY100552	55%	92.3%	92.3%
ECO101067	KPN301296	98%	100%	100%
ECO101067	LPN100598	78%	97.4%	92.7%
ECO101067	LMO102315	56%	97.4%	98.7%
ECO101067	MCA100571	58%	94.9%	94.9%
ECO101067	MAV103068	39%	84.6%	57.4%
ECO101067	MBV100652	37%	84.6%	57.4%
ECO101067	MLP101007	37%	84.6%	57.4%
ECO101067	MTU202210	37%	84.6%	57.4%
ECO101067	MPN100432	33%	50%	46.4%
ECO101067	NGO100692	75%	97.4%	97.4%
ECO101067	NME200041	73%	97.4%	97.4%
ECO101067	PMU101917	82%	96.2%	98.7%
ECO101067	PRT100070	89%	82.1%	100%
ECO101067	PAE202964	88%	98.7%	98.7%
ECO101067	PPU104838	85%	100%	100%
ECO101067	PSY106594	89%	100%	100%
ECO101067	SPA100630	100%	100%	100%
ECO101067	STY107110	100%	100%	100%
ECO101067	STM102722	100%	100%	100%
ECO101067	SAU801232	63%	88.5%	89.6%
ECO101067	SEP201525	65%	88.5%	89.6%
ECO101067	SHA101739	65%	88.5%	89.6%
ECO101067	SMU102800	40%	91.0%	86.6%
ECO101067	SPN400038	38%	92.3%	92.2%
ECO101067	SPY201351	41%	87.2%	87.8%
ECO101067	TPA100800	47%	85.9%	85.9%
ECO101067	UUR100511	33%	53.8%	54.5%
ECO101067	VCH101990	84%	97.4%	69.1%
ECO101067	YPS004652	89%	98.7%	98.7%
ECO101068	ABA102541	38%	99.3%	99.3%
ECO101068	BAN112689	47%	99.3%	100%
ECO101068	BAN107953	50%	99.5%	99.3%
ECO101068	BFR12010	50%	99.8%	99.3%
ECO101068	BPT102618	58%	99.5%	99.8%
ECO101068	BCE113298	63%	75.3%	100%
ECO101068	BFU100675	62%	99.8%	96.0%
ECO101068	BMA102164	62%	99.8%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101068	CJU100410	51%	99.3%	99.5%
ECO101068	CPN200933	44%	99.8%	99.3%
ECO101068	CTR200146	45%	99.8%	98.8%
ECO101068	CAC100013	48%	99.0%	99.0%
ECO101068	CBO102384	46%	99.0%	98.1%
ECO101068	CDF101773	49%	99.0%	99.0%
ECO101068	CDP100587	27%	97.8%	27.4%
ECO101068	EBC100090	96%	64.6%	100%
ECO101068	EFA201888	50%	99.0%	98.8%
ECO101068	EFM201378	48%	98.8%	98.8%
ECO101068	ECO101068	100%	100%	100%
ECO101068	HPY100551	49%	99.0%	99.5%
ECO101068	KPN301302	95%	100%	100%
ECO101068	LPN100053	62%	100%	100%
ECO101068	LMO100394	49%	100%	99.5%
ECO101068	MCA101479	54%	98.8%	99.8%
ECO101068	MAV103067	40%	97.8%	99.3%
ECO101068	MBV100653	42%	98.1%	96.2%
ECO101068	MLP101008	41%	98.1%	96.2%
ECO101068	MTU202211	42%	98.1%	96.2%
ECO101068	NGO100696	60%	99.8%	92.2%
ECO101068	NME200042	60%	99.8%	99.3%
ECO101068	PRT104423	82%	100%	100%
ECO101068	PAE202963	66%	99.8%	99.3%
ECO101068	PPU104840	67%	99.8%	99.3%
ECO101068	PSY101697	65%	99.8%	99.3%
ECO101068	SPA100629	89%	100%	100%
ECO101068	STY102533	94%	100%	100%
ECO101068	STM102723	94%	100%	100%
ECO101068	SAU800984	51%	99.0%	98.3%
ECO101068	SEP200206	53%	98.8%	98.1%
ECO101068	SHA101847	52%	99.0%	98.3%
ECO101068	SMU100539	43%	99.8%	99.3%
ECO101068	SPN400382	43%	99.8%	98.3%
ECO101068	SPY201347	45%	99.5%	99.0%
ECO101068	VCH101989	75%	100%	100%
ECO101068	YPS003134	89%	100%	100%
ECO101069	ABA102122	36%	89.2%	88.5%
ECO101069	CDF103263	25%	87.4%	89.9%
ECO101069	EBC100872	64%	99.3%	99.3%
ECO101069	ECO101069	100%	100%	100%
ECO101069	HIN101143	30%	34.6%	45.7%
ECO101069	KPN301301	63%	98.9%	98.9%
ECO101069	LPN100258	25%	91.1%	96.0%
ECO101069	MCA100346	28%	70.3%	73.6%
ECO101069	MAV100375	26%	60.2%	56.3%
ECO101069	MBV101892	25%	60.2%	56.3%
ECO101069	MTU200806	25%	60.2%	57.4%
ECO101069	PMU101465	28%	37.2%	48.2%
ECO101069	PRT106034	49%	96.7%	93.8%
ECO101069	PAE202962	35%	90.3%	89.3%
ECO101069	PPU104805	34%	94.4%	93.4%
ECO101069	PSY101696	35%	90.0%	88.9%
ECO101069	SPA100628	69%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101069	STY102534	69%	100%	100%
ECO101069	STM102724	69%	100%	100%
ECO101069	VCH101988	38%	92.2%	89.5%
ECO101069	YPS003142	56%	98.5%	98.9%
ECO101084	ABA102335	34%	83.5%	92.0%
ECO101084	BAN111797	31%	66.9%	92.9%
ECO101084	BAN111738	31%	66.9%	81.7%
ECO101084	BFR104010	29%	34.3%	38.3%
ECO101084	BPT102076	38%	83.1%	94.7%
ECO101084	BCE113954	36%	83.5%	94.7%
ECO101084	BFU108190	35%	81.8%	95.5%
ECO101084	CJU100336	32%	28.8%	30.5%
ECO101084	CAC101145	26%	56.4%	64.1%
ECO101084	EBC101033	76%	95.3%	100%
ECO101084	ECO101084	100%	100%	100%
ECO101084	KPN302583	76%	81.4%	99.0%
ECO101084	MAV105209	33%	36.9%	49.5%
ECO101084	PAE202929	32%	82.6%	99.0%
ECO101084	PSY102126	30%	82.6%	86.8%
ECO101084	SPA102806	80%	89.0%	99.5%
ECO101084	STY102549	80%	89.0%	99.5%
ECO101084	VCH103717	27%	69.1%	84.3%
ECO101086	EBC101581	84%	97.8%	97.5%
ECO101086	ECO101086	100%	100%	100%
ECO101086	KPN302588	81%	100%	100%
ECO101086	LPN100159	41%	69.7%	89.3%
ECO101086	PRT102313	54%	94.4%	98.4%
ECO101086	PPU106532	39%	91.6%	89.2%
ECO101086	SPA102803	76%	100%	100%
ECO101086	STY102551	87%	82.2%	100%
ECO101086	VCH102794	48%	94.1%	96.4%
ECO101088	BFR100953	23%	55.2%	53.1%
ECO101088	BCE105922	22%	65.0%	65.2%
ECO101088	EBC100965	68%	97.5%	97.5%
ECO101088	EFM200997	25%	32.8%	17.9%
ECO101088	ECO101088	100%	100%	100%
ECO101088	LMO102112	20%	90.8%	88.0%
ECO101088	PAE202240	23%	55.2%	51.0%
ECO101088	SPN300353	24%	34.5%	29.8%
ECO101089	CJU100871	21%	100%	100%
ECO101089	CTR200422	25%	45.9%	39.9%
ECO101089	EBC100964	90%	67.2%	94.7%
ECO101089	ECO101089	100%	100%	100%
ECO101089	HIN101524	45%	99.2%	99.2%
ECO101089	HPY100774	24%	98.2%	98.0%
ECO101089	KPN302592	90%	100%	99.3%
ECO101089	MAV108493	26%	80.2%	76.9%
ECO101089	MBV103715	22%	92.5%	86.3%
ECO101089	MTU200976	22%	93.0%	96.7%
ECO101089	MGE100066	25%	17.3%	5.3%
ECO101089	PMU100560	44%	99.0%	99.0%
ECO101089	PRT100169	60%	100%	100%
ECO101089	SPA102801	91%	100%	100%
ECO101089	STY102553	93%	100%	91.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101089	STM102743	93%	100%	91.5%
ECO101089	SAU802360	20%	41.4%	44.7%
ECO101089	VCH101854	52%	100%	99.0%
ECO101089	YPS003223	78%	100%	100%
ECO101095	BCE110408	34%	46.8%	28.1%
ECO101095	BFU109811	35%	30.8%	15.0%
ECO101095	ECO101095	100%	100%	100%
ECO101096	ABA105535	24%	54.0%	52.8%
ECO101096	BAN107331	34%	86.8%	98.4%
ECO101096	BAN107811	36%	96.8%	97.1%
ECO101096	BFR11543	28%	87.6%	73.8%
ECO101096	BBU100638	34%	82.5%	82.5%
ECO101096	CAC100714	39%	92.5%	91.0%
ECO101096	CBO100586	40%	92.2%	52.0%
ECO101096	CDF100910	40%	92.8%	91.7%
ECO101096	EBC101881	91%	98.6%	100%
ECO101096	EFA201564	40%	96.0%	92.2%
ECO101096	EFM202059	39%	95.4%	91.6%
ECO101096	ECO101096	100%	100%	100%
ECO101096	HIN101310	54%	94.3%	86.8%
ECO101096	KPN300453	94%	58.3%	96.7%
ECO101096	KPN302593	91%	100%	100%
ECO101096	LPN101055	39%	95.7%	97.9%
ECO101096	LMO102691	38%	92.8%	90.5%
ECO101096	MPN100096	23%	69.0%	56.7%
ECO101096	PMU100260	50%	98.0%	98.3%
ECO101096	PMU100261	54%	100%	97.2%
ECO101096	PRT100582	78%	100%	100%
ECO101096	SPA102407	92%	95.7%	100%
ECO101096	STY102558	93%	100%	100%
ECO101096	SAU801102	38%	96.8%	97.2%
ECO101096	SEP200816	38%	99.1%	98.9%
ECO101096	SHA100355	40%	92.8%	91.1%
ECO101096	SMU100062	40%	92.8%	90.2%
ECO101096	SPN401242	41%	91.1%	90.2%
ECO101096	SPY200838	39%	98.0%	95.2%
ECO101096	TPA100647	32%	98.0%	97.4%
ECO101096	VCH103826	39%	99.1%	99.4%
ECO101096	VCH101404	58%	100%	93.7%
ECO101096	VCH101403	65%	95.7%	95.9%
ECO101102	EBC102866	81%	99.8%	99.8%
ECO101102	ECO101102	100%	100%	100%
ECO101102	KPN302587	82%	60.7%	100%
ECO101102	PRT103095	53%	96.7%	97.1%
ECO101102	PAE201179	33%	95.7%	98.7%
ECO101102	PPU108062	32%	95.7%	98.7%
ECO101102	PSY104543	30%	95.7%	98.7%
ECO101102	SPA104232	86%	96.9%	100%
ECO101102	STY102565	85%	100%	100%
ECO101102	VCH101612	32%	59.9%	61.7%
ECO101102	YPS003253	62%	97.9%	98.6%
ECO101104	ABA105711	64%	99.3%	98.5%
ECO101104	BAN108908	26%	67.5%	70.6%
ECO101104	BAN107339	26%	63.2%	65.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101104	BFR11423	50%	97.8%	97.6%
ECO101104	BPT102211	62%	98.0%	94.3%
ECO101104	BCE110636	61%	99.3%	98.1%
ECO101104	BFU103343	25%	62.1%	59.3%
ECO101104	BMA107095	62%	99.3%	93.8%
ECO101104	CJU100023	30%	58.6%	57.9%
ECO101104	CBO102979	22%	66.9%	60.8%
ECO101104	CDF100863	21%	85.1%	82.7%
ECO101104	CDP100537	25%	61.8%	58.0%
ECO101104	EBC102864	92%	100%	100%
ECO101104	EFA200867	27%	72.8%	75.4%
ECO101104	EFM201242	28%	73.9%	74.7%
ECO101104	ECO101104	100%	100%	100%
ECO101104	HIN100620	77%	99.8%	99.8%
ECO101104	HPY101095	27%	57.9%	57.5%
ECO101104	KPN300325	87%	19.3%	87.1%
ECO101104	KPN301141	93%	99.8%	100%
ECO101104	LPN100438	56%	99.1%	99.1%
ECO101104	LMO102395	28%	65.6%	67.9%
ECO101104	MCA100711	66%	98.2%	98.5%
ECO101104	MAV104228	24%	67.1%	62.7%
ECO101104	MBV105328	23%	67.1%	62.9%
ECO101104	MLP101330	24%	67.1%	62.9%
ECO101104	MTU200771	23%	67.1%	62.9%
ECO101104	NGO101832	62%	97.8%	98.2%
ECO101104	NME202038	62%	97.8%	98.2%
ECO101104	PMU101851	77%	99.8%	100%
ECO101104	PRT100590	84%	99.8%	99.8%
ECO101104	PAE202627	70%	98.2%	98.5%
ECO101104	PPU103014	68%	93.4%	98.4%
ECO101104	PSY104080	70%	98.2%	95.1%
ECO101104	SPA104234	90%	100%	100%
ECO101104	STY102567	94%	100%	100%
ECO101104	SAU801908	27%	71.5%	74.0%
ECO101104	SEP200567	25%	77.2%	81.7%
ECO101104	SHA100373	27%	67.5%	69.1%
ECO101104	SMU101297	28%	73.9%	74.5%
ECO101104	SPN400056	28%	73.9%	74.5%
ECO101104	SPY200028	27%	82.0%	86.7%
ECO101104	VCH101107	82%	99.8%	100%
ECO101104	YPS003261	88%	100%	100%
ECO101111	ECO101111	100%	100%	100%
ECO101111	KPN202195	62%	98.3%	99.6%
ECO101111	SAU600734	30%	26.9%	30.0%
ECO101111	SEP202424	30%	29.5%	18.7%
ECO101111	UUR100275	24%	40.2%	32.3%
ECO101111	VCH103209	28%	38.0%	34.2%
ECO101128	EBC102415	23%	85.4%	82.6%
ECO101128	ECO102311	60%	74.5%	65.8%
ECO101128	ECO101128	100%	100%	100%
ECO101128	NME201221	42%	25.5%	17.4%
ECO101128	SPA103143	28%	43.8%	17.8%
ECO101128	STY102590	56%	87.6%	82.9%
ECO101134	ECO100548	44%	96.3%	86%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101134	ECO101520	44%	100%	95.0%
ECO101134	ECO101134	100%	100%	100%
ECO101134	KPN304995	34%	93.3%	96.2%
ECO101134	SPA104168	39%	98.5%	99.3%
ECO101134	STY102095	40%	94.8%	96.9%
ECO101134	STM101947	40%	94.8%	96.9%
ECO101134	SAU800348	24%	37.3%	38.8%
ECO101136	EBC102244	60%	100%	100%
ECO101136	ECO101136	100%	100%	100%
ECO101136	KPN301814	65%	100%	100%
ECO101136	PAE203256	27%	53.6%	36.4%
ECO101136	PSY103058	31%	59.6%	91.3%
ECO101136	SMU101553	26%	23.8%	23.8%
ECO101136	VCH101614	31%	59.8%	94.6%
ECO101139	ECO101139	100%	100%	100%
ECO101139	KPN300326	56%	70.5%	98.4%
ECO101139	SPA109612	41%	75%	79.3%
ECO101139	STY105236	40%	75%	79.3%
ECO101152	ABA103728	35%	69.4%	83.2%
ECO101152	EBC100100	83%	84.3%	100%
ECO101152	ECO101152	100%	100%	100%
ECO101152	HIN101415	43%	75%	75.7%
ECO101152	KPN304811	79%	86.1%	100%
ECO101152	MCA101920	32%	87.0%	96.2%
ECO101152	PMU100444	45%	75.9%	98.8%
ECO101152	PRT106055	64%	86.1%	97.9%
ECO101152	PAE201294	39%	76.9%	84.5%
ECO101152	PPU108346	43%	75.9%	92.8%
ECO101152	PSY105502	42%	64.8%	95.1%
ECO101152	SPA103241	85%	89.8%	100%
ECO101152	STY101740	83%	95.4%	93.6%
ECO101152	VCH101927	48%	85.2%	89.2%
ECO101152	YPS003546	71%	78.7%	94.4%
ECO101153	ABA100124	44%	89.0%	91.5%
ECO101153	BAN101423	32%	83.1%	64.2%
ECO101153	BAN104355	33%	90.0%	67.9%
ECO101153	BFR11202	38%	92.2%	97.1%
ECO101153	BPT102787	40%	90.4%	87.0%
ECO101153	BCE110764	45%	90.4%	79.5%
ECO101153	BFU108950	42%	83.1%	62.6%
ECO101153	BMA106711	43%	92.7%	86.8%
ECO101153	CJU100021	25%	87.2%	68.8%
ECO101153	CDF103166	30%	83.1%	61.7%
ECO101153	CDF101613	30%	84.9%	63%
ECO101153	CDP100223	30%	89.0%	69.6%
ECO101153	EBC101919	37%	90.0%	5.4%
ECO101153	ECO101153	100%	100%	100%
ECO101153	KPN308845	86%	100%	100%
ECO101153	LPN100114	24%	77.6%	54.5%
ECO101153	LMO102616	33%	89.5%	71.3%
ECO101153	MCA102285	39%	93.6%	94.3%
ECO101153	MAV100179	41%	89.0%	72.4%
ECO101153	MBV101328	40%	89.0%	72.1%
ECO101153	MLP101033	38%	89.0%	80.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101153	MTU202955	40%	89.0%	79.9%
ECO101153	NGO100109	39%	89.5%	89.9%
ECO101153	NME201411	38%	89.5%	89.9%
ECO101153	PMU101529	32%	83.1%	70.5%
ECO101153	PRT105162	68%	100%	100%
ECO101153	PAE200317	51%	99.5%	99.1%
ECO101153	PPU102070	50%	99.5%	99.1%
ECO101153	PSY107523	45%	99.5%	98.6%
ECO101153	SPA103242	80%	100%	100%
ECO101153	STY101738	84%	100%	100%
ECO101153	STM102228	38%	86.8%	7.9%
ECO101153	SAU800968	31%	93.2%	69.3%
ECO101153	SEP200184	31%	93.2%	69.1%
ECO101153	SHA101674	30%	93.2%	69.1%
ECO101153	VCH103722	36%	85.8%	83.8%
ECO101153	YPS003552	72%	100%	100%
ECO101161	BAN104595	27%	90.4%	94.9%
ECO101161	BAN106003	30%	91.2%	93.6%
ECO101161	BPT101374	61%	94.9%	94.9%
ECO101161	BCE109277	65%	95.9%	88.0%
ECO101161	BFU100577	65%	95.1%	84.8%
ECO101161	CAC101054	35%	92.9%	94.8%
ECO101161	EBC101838	96%	100%	100%
ECO101161	ECO101161	100%	100%	100%
ECO101161	KPN304804	94%	99.2%	99.2%
ECO101161	LPN101390	65%	96.5%	97.0%
ECO101161	PAE200585	68%	96.7%	95.2%
ECO101161	PPU100633	68%	92.5%	95.9%
ECO101161	PSY103400	66%	96.7%	94.6%
ECO101161	SPA101758	97%	100%	100%
ECO101161	STY101724	96%	100%	100%
ECO101161	STM101822	96%	100%	100%
ECO101161	VCH101844	74%	97.5%	95.9%
ECO101161	YPS000678	84%	99.0%	99.4%
ECO101174	EBC105172	64%	6.1%	78%
ECO101174	EBC103524	71%	99.4%	99.5%
ECO101174	ECO101174	100%	100%	100%
ECO101174	KPN308982	74%	98.1%	98.3%
ECO101175	BFR104377	22%	14.6%	35.6%
ECO101175	CPN100014	25%	15.4%	15.0%
ECO101175	CPN100432	20%	32.1%	35.6%
ECO101175	CPN100430	18%	19.6%	50.5%
ECO101175	CPN100435	20%	40.9%	37.0%
ECO101175	CAC102963	23%	32.0%	48.4%
ECO101175	ECO101175	100%	100%	100%
ECO101175	NGO103389	27%	28.4%	90.8%
ECO101175	YPS002558	24%	57.1%	31.5%
ECO101179	ABA100211	24%	87.1%	91.3%
ECO101179	ABA104416	24%	93.6%	95.8%
ECO101179	BAN100939	22%	74.9%	78.8%
ECO101179	BAN109556	30%	88.5%	91.1%
ECO101179	BFR11789	37%	95.5%	98.1%
ECO101179	BPT103036	41%	96.5%	93.4%
ECO101179	BCE112681	27%	92%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101179	BFU113350	28%	84.2%	88.0%
ECO101179	BMA103833	27%	88.7%	91.5%
ECO101179	CPN200824	35%	97.5%	93.5%
ECO101179	CTR200240	35%	97.8%	88.4%
ECO101179	CBO103098	38%	94.7%	93.3%
ECO101179	CDP103271	30%	14.7%	71.9%
ECO101179	EBC101346	91%	58.5%	96.7%
ECO101179	EFA202070	32%	94.7%	93.1%
ECO101179	ECO101179	100%	100%	100%
ECO101179	HPY100224	26%	75.5%	95.4%
ECO101179	KPN305984	89%	100%	98.4%
ECO101179	LPN103014	25%	74.4%	85.1%
ECO101179	LPN101097	28%	75.3%	81.8%
ECO101179	LMO100913	37%	96.9%	96.3%
ECO101179	MCA100381	25%	81.6%	80.5%
ECO101179	MAV101853	30%	75.1%	83.5%
ECO101179	MBV105373	31%	88.2%	90.7%
ECO101179	MLP101357	29%	75.1%	78.0%
ECO101179	MTU201685	31%	88.2%	90.7%
ECO101179	PMU100948	58%	95.8%	93.8%
ECO101179	PRT104187	71%	99.8%	97.5%
ECO101179	PAE202561	29%	87.6%	90.5%
ECO101179	PPU103595	29%	90.2%	91.0%
ECO101179	PSY101243	29%	92%	91.6%
ECO101179	SPA100376	87%	69.3%	100%
ECO101179	STY101680	92%	100%	98.0%
ECO101179	STM101479	93%	100%	99.5%
ECO101179	SEP200020	37%	23.8%	72.8%
ECO101179	SEP200018	28%	88.5%	90.9%
ECO101179	SHA102089	22%	74.4%	93.3%
ECO101179	SHA102439	28%	88.5%	90.9%
ECO101179	VCH102813	39%	96.4%	94.9%
ECO101180	ABA100157	66%	98.4%	100%
ECO101180	BAN112499	57%	45.1%	92.2%
ECO101180	BAN106136	39%	89.5%	87.8%
ECO101180	BAN101660	51%	98.7%	97.2%
ECO101180	BFR10407	44%	97.8%	96.8%
ECO101180	BPT100617	64%	97.8%	97.2%
ECO101180	BBU100543	28%	89.2%	75.9%
ECO101180	BCE112713	63%	98.4%	96.6%
ECO101180	BFU100079	62%	98.4%	97.2%
ECO101180	BMA100055	63%	98.4%	97.2%
ECO101180	CJU100848	56%	99.4%	99.7%
ECO101180	CAC100050	53%	99.0%	97.5%
ECO101180	CBO100851	55%	98.7%	97.5%
ECO101180	CDF100459	53%	98.7%	98.1%
ECO101180	CDP100215	42%	99.0%	95.7%
ECO101180	EBC101345	99%	100%	100%
ECO101180	EFA201512	50%	99.4%	96.6%
ECO101180	EFM200023	50%	99.4%	96.6%
ECO101180	ECO101180	100%	100%	100%
ECO101180	HIN101576	85%	99.4%	99.7%
ECO101180	HPY100730	53%	99.4%	96.9%
ECO101180	KPN303464	96%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101180	LPN101587	63%	99.4%	99.4%
ECO101180	LMO100583	47%	99.4%	97.8%
ECO101180	MCA100701	65%	100%	100%
ECO101180	MAV105952	43%	99.0%	96.0%
ECO101180	MBV105572	43%	98.1%	98.7%
ECO101180	MLP100179	43%	99.0%	95.7%
ECO101180	MTU201006	43%	99.0%	96.0%
ECO101180	MGE100060	43%	88.9%	94.9%
ECO101180	MPN100082	43%	97.8%	79.9%
ECO101180	NGO101084	66%	98.4%	94.5%
ECO101180	NME201007	66%	98.4%	94.5%
ECO101180	PMU100244	87%	99.4%	99.7%
ECO101180	PRT101362	94%	100%	100%
ECO101180	PAE204667	67%	99.4%	99.7%
ECO101180	PPU104089	67%	78.1%	99.6%
ECO101180	PSY102431	67%	99.4%	99.7%
ECO101180	SPA100616	97%	99.7%	100%
ECO101180	STY101673	99%	100%	100%
ECO101180	STM101478	99%	100%	100%
ECO101180	SAU800500	49%	98.7%	96.9%
ECO101180	SEP201833	48%	98.7%	96.9%
ECO101180	SHA100895	49%	69.2%	95.6%
ECO101180	SMU101229	50%	99.0%	97.2%
ECO101180	SPN400028	50%	99.0%	92.3%
ECO101180	SPY200014	51%	99.0%	97.8%
ECO101180	TPA100291	29%	90.8%	74.8%
ECO101180	UUR100193	41%	99.4%	94.5%
ECO101180	VCH102150	82%	99.4%	99.7%
ECO101180	YPS003242	97%	100%	100%
ECO101183	ABA100136	45%	95.9%	93.9%
ECO101183	BAN108277	32%	99.5%	99.5%
ECO101183	BAN105102	33%	100%	94.6%
ECO101183	BPT101741	45%	97.4%	95.5%
ECO101183	BCE101777	43%	53.8%	93.8%
ECO101183	BFU107323	44%	98.3%	97.2%
ECO101183	BMA107107	44%	98.6%	86.7%
ECO101183	CJU100504	31%	93.8%	88.9%
ECO101183	CPN200031	28%	52.4%	62.2%
ECO101183	CTR200033	29%	53.8%	65.2%
ECO101183	CAC100929	29%	81.6%	81.3%
ECO101183	CDF100797	23%	46.9%	30.1%
ECO101183	CDP100770	28%	99.8%	92.1%
ECO101183	EBC101342	94%	100%	100%
ECO101183	ECO101183	100%	100%	100%
ECO101183	HPY100235	27%	96.4%	90.4%
ECO101183	KPN303475	92%	100%	100%
ECO101183	LPN100434	41%	98.6%	88.7%
ECO101183	LMO102359	34%	85.4%	81.8%
ECO101183	MCA100694	41%	99.3%	98.2%
ECO101183	MBV102365	32%	100%	91.2%
ECO101183	MLP101439	31%	100%	91.4%
ECO101183	MTU200507	32%	100%	91.2%
ECO101183	NGO101400	44%	96.2%	96.1%
ECO101183	NME200701	44%	96.2%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101183	PMU100684	50%	99.3%	98.8%
ECO101183	PRT101365	74%	99.8%	99.3%
ECO101183	PAE204663	50%	100%	98.6%
ECO101183	PPU109698	51%	99.8%	97.6%
ECO101183	PSY102425	50%	85.9%	96.8%
ECO101183	SPA100011	74%	65.6%	100%
ECO101183	STY101664	94%	100%	100%
ECO101183	SAU801672	33%	100%	93.8%
ECO101183	SEP201646	32%	100%	93.8%
ECO101183	SHA100381	33%	100%	93.8%
ECO101183	VCH102147	60%	100%	99.3%
ECO101183	YPS003254	79%	100%	99.5%
ECO101184	ABA105579	61%	99.7%	99.2%
ECO101184	BAN113068	47%	94.2%	99.4%
ECO101184	BAN100929	51%	96.7%	98.6%
ECO101184	BFR11151	47%	97.2%	97.3%
ECO101184	BPT101750	65%	98.9%	98.9%
ECO101184	BBU100195	49%	98.1%	99.4%
ECO101184	BCE108751	61%	100%	100%
ECO101184	BFU107325	61%	100%	100%
ECO101184	BMA103540	60%	100%	100%
ECO101184	CJU101518	53%	98.6%	99.2%
ECO101184	CPN200648	52%	94.2%	95.8%
ECO101184	CTR200287	54%	94.4%	95.5%
ECO101184	CAC101625	50%	96.9%	97.8%
ECO101184	CBO100481	50%	97.8%	98.9%
ECO101184	CDF101347	51%	97.8%	100%
ECO101184	CDP100071	45%	97.8%	99.4%
ECO101184	EBC100920	95%	68.9%	100%
ECO101184	EFA201655	51%	96.1%	97.5%
ECO101184	EFM200375	50%	96.9%	98.3%
ECO101184	ECO101184	100%	100%	100%
ECO101184	HIN101530	73%	99.7%	99.4%
ECO101184	HPY100075	53%	96.1%	98.3%
ECO101184	KPN303478	92%	100%	100%
ECO101184	LPN101572	61%	100%	100%
ECO101184	LMO101439	50%	97.5%	98.6%
ECO101184	MCA100127	61%	99.7%	100%
ECO101184	MAV106507	46%	96.7%	98.0%
ECO101184	MBV105506	45%	94.2%	95.5%
ECO101184	MLP100700	43%	94.2%	95.6%
ECO101184	MTU201282	45%	94.2%	95.5%
ECO101184	MGE100263	42%	89.2%	89.7%
ECO101184	MPN100475	41%	89.2%	89.7%
ECO101184	NGO100540	62%	99.4%	100%
ECO101184	NME201794	63%	99.4%	100%
ECO101184	PMU100555	74%	99.7%	99.7%
ECO101184	PRT101055	82%	100%	100%
ECO101184	PAE204662	65%	99.4%	100%
ECO101184	PPU109700	66%	99.4%	100%
ECO101184	PSY102423	66%	99.4%	100%
ECO101184	SPA100352	87%	100%	100%
ECO101184	STY101661	96%	100%	100%
ECO101184	SAU802118	50%	98.1%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101184	SEP201909	50%	98.1%	98.9%
ECO101184	SHA100601	50%	98.1%	98.9%
ECO101184	SMU100318	49%	98.6%	99.7%
ECO101184	SPN400924	49%	98.6%	99.7%
ECO101184	SPY200868	48%	98.3%	99.4%
ECO101184	TPA100050	49%	94.4%	97.4%
ECO101184	UUR100003	43%	95.8%	97.8%
ECO101184	VCH102146	72%	99.7%	99.7%
ECO101184	YPS003258	85%	100%	100%
ECO101185	ABA104460	46%	91.0%	92.3%
ECO101185	BAN105078	28%	87.0%	87.9%
ECO101185	BAN103528	30%	95.3%	95.8%
ECO101185	BFR102113	29%	97.1%	97.5%
ECO101185	BPT101752	42%	91.7%	94.4%
ECO101185	BCE115118	45%	94.2%	95.7%
ECO101185	BFU107327	45%	94.2%	93.7%
ECO101185	BMA107849	44%	95.7%	95.4%
ECO101185	CJU100672	28%	89.5%	87.5%
ECO101185	CAC100499	31%	90.3%	89.5%
ECO101185	CBO100136	30%	91.7%	88.7%
ECO101185	CDF100750	35%	92.8%	92.9%
ECO101185	CDP100074	29%	94.2%	93.8%
ECO101185	EBC100919	69%	99.3%	100%
ECO101185	EFA201657	34%	86.6%	87.0%
ECO101185	EFM201604	36%	90.3%	86.2%
ECO101185	ECO101185	100%	100%	100%
ECO101185	HIN101528	57%	98.6%	98.6%
ECO101185	HPY100377	30%	90.6%	89.1%
ECO101185	KPN300226	89%	23.8%	100%
ECO101185	KPN300540	71%	51.3%	80.7%
ECO101185	KPN303481	75%	98.9%	97.2%
ECO101185	LPN101502	43%	96.8%	94.1%
ECO101185	LMO101395	32%	81.9%	81.3%
ECO101185	MCA100943	41%	97.1%	93.2%
ECO101185	MAV106509	31%	96.8%	90.1%
ECO101185	MBV105507	32%	79.8%	68.6%
ECO101185	MLP100701	34%	82.7%	80.9%
ECO101185	MTU201283	32%	79.8%	68.6%
ECO101185	NGO101039	43%	94.6%	91.0%
ECO101185	NME200343	43%	94.6%	96.0%
ECO101185	PMU100556	51%	98.6%	99.0%
ECO101185	PRT105490	65%	99.3%	97.5%
ECO101185	PAE204661	53%	95.3%	95.7%
ECO101185	PPU109702	49%	94.9%	95.3%
ECO101185	PSY102421	48%	94.6%	94.9%
ECO101185	SPA100351	74%	59.9%	100%
ECO101185	STY101658	76%	99.3%	99.3%
ECO101185	SAU802117	32%	97.5%	97.8%
ECO101185	SEP201908	31%	94.6%	94.2%
ECO101185	SHA100602	27%	97.5%	97.8%
ECO101185	SMU100315	33%	90.3%	89.9%
ECO101185	SPN400925	36%	76.9%	76.0%
ECO101185	SPY200869	33%	89.2%	88.2%
ECO101185	TPA100051	28%	93.9%	86.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101185	VCH102145	53%	97.1%	95.1%
ECO101185	YPS003269	62%	99.3%	99.3%
ECO101186	BCE103057	28%	93.8%	29.6%
ECO101186	BMA105726	26%	74.6%	18.9%
ECO101186	EBC100918	63%	95.4%	99.2%
ECO101186	ECO101186	100%	100%	100%
ECO101186	HIN101225	27%	85.4%	87.4%
ECO101186	KPN303484	58%	100%	100%
ECO101186	NGO101989	28%	89.2%	90.3%
ECO101186	NME200882	29%	89.2%	90.3%
ECO101186	PMU100842	25%	91.5%	96.7%
ECO101186	PAE110961	31%	91.5%	94.1%
ECO101186	SPA103126	72%	98.5%	99.2%
ECO101186	STY101655	73%	98.5%	99.2%
ECO101186	VCH102144	38%	96.9%	97.6%
ECO101186	YPS003272	50%	92.3%	89.5%
ECO101188	ABA105640	66%	98.6%	97.5%
ECO101188	BAN100484	28%	68.0%	52.1%
ECO101188	BAN110262	28%	72.5%	54.5%
ECO101188	BFR11555	46%	90.1%	95.1%
ECO101188	BPT101704	45%	94.4%	96.5%
ECO101188	BCE113835	43%	93.7%	95.1%
ECO101188	BFU102357	43%	95.1%	96.5%
ECO101188	BMA104317	42%	95.1%	96.5%
ECO101188	CJU100352	45%	90.1%	97.4%
ECO101188	CPN200024	42%	91.2%	95.6%
ECO101188	CTR200025	41%	92.6%	96.3%
ECO101188	CAC100242	30%	74.3%	59.3%
ECO101188	CBO100238	23%	94.7%	94.4%
ECO101188	CDF102295	28%	74.6%	59.6%
ECO101188	EBC100731	93%	99.6%	100%
ECO101188	EFA201864	28%	77.1%	60.1%
ECO101188	EFM101476	27%	77.1%	62.5%
ECO101188	ECO101188	100%	100%	100%
ECO101188	HIN101526	81%	99.6%	99.6%
ECO101188	HPY100003	42%	89.4%	95.7%
ECO101188	KPN303462	95%	100%	100%
ECO101188	LPN101508	44%	66.9%	91.7%
ECO101188	LMO100466	27%	91.2%	66.8%
ECO101188	MCA101098	64%	98.6%	96.9%
ECO101188	NGO101001	71%	95.1%	96.4%
ECO101188	NME201359	71%	95.1%	96.4%
ECO101188	PMU100558	80%	99.6%	99.6%
ECO101188	PRT101058	89%	100%	100%
ECO101188	PAE203634	68%	99.6%	100%
ECO101188	PPU107961	73%	95.1%	96.4%
ECO101188	PSY104331	66%	99.6%	100%
ECO101188	SPA103128	93%	99.3%	100%
ECO101188	STY101650	93%	99.3%	99.3%
ECO101188	SAU801737	26%	74.3%	55.1%
ECO101188	SEP202083	26%	74.3%	55.1%
ECO101188	SHA100400	26%	74.3%	74.6%
ECO101188	SPY201217	26%	76.1%	81.2%
ECO101188	VCH102142	80%	98.9%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101188	YPS003280	90%	100%	100%
ECO101196	BMA100869	53%	97.4%	3.7%
ECO101196	CTR200330	21%	73.9%	66.2%
ECO101196	EBC100127	84%	47.5%	100%
ECO101196	ECO101196	100%	100%	100%
ECO101196	KPN303485	86%	99.1%	99.4%
ECO101196	MCA101703	51%	95.7%	4.4%
ECO101196	MBV104795	41%	96.5%	93.3%
ECO101196	MLP100509	35%	95.7%	85.7%
ECO101196	MTU200266	41%	96.5%	93.3%
ECO101196	PRT102088	77%	100%	100%
ECO101196	PAE203873	60%	97.2%	96.2%
ECO101196	SPA103125	79%	99.8%	100%
ECO101196	STY102957	94%	99.8%	99.4%
ECO101197	BAN101011	41%	97.4%	98.8%
ECO101197	BAN102461	51%	99.0%	99.5%
ECO101197	BMA109820	66%	99.8%	94.4%
ECO101197	EBC101930	94%	56.9%	100%
ECO101197	ECO101197	100%	100%	100%
ECO101197	KPN200831	93%	100%	100%
ECO101197	MCA101683	69%	99.6%	99.3%
ECO101197	MAV100250	46%	98.4%	95.9%
ECO101197	PRT105206	79%	99.4%	99.0%
ECO101197	PAE203872	70%	99.0%	98.4%
ECO101197	STY102963	95%	100%	100%
ECO101197	SAU802397	49%	98.2%	99.3%
ECO101197	SEP202550	49%	98.2%	99.3%
ECO101197	SHA101605	50%	98.2%	99.3%
ECO101203	ABA105151	41%	95.4%	94.8%
ECO101203	BPT101640	39%	97.1%	97.2%
ECO101203	BCE105517	38%	97.1%	95.3%
ECO101203	BFU103387	41%	97.1%	82.8%
ECO101203	BMA109464	39%	97.1%	96.9%
ECO101203	CJU100729	52%	97.1%	98.5%
ECO101203	EBC100441	91%	85%	99.6%
ECO101203	ECO101203	100%	100%	100%
ECO101203	HIN101555	72%	98.9%	99.6%
ECO101203	HPY101413	44%	97.1%	98.3%
ECO101203	KPN300907	95%	100%	100%
ECO101203	MBV102042	40%	95.4%	88.1%
ECO101203	MTU202926	40%	95.4%	88.1%
ECO101203	PMU100873	73%	98.9%	99.6%
ECO101203	PRT105372	83%	98.6%	97.9%
ECO101203	PAE204312	43%	95.4%	96.1%
ECO101203	PPU103326	42%	95.4%	96.1%
ECO101203	PSY106080	42%	95.4%	96.1%
ECO101203	SPA100447	95%	100%	100%
ECO101203	STY102981	96%	100%	100%
ECO101203	STM101443	96%	100%	100%
ECO101203	VCH101962	72%	98.9%	100%
ECO101204	ABA103927	36%	98.7%	96.8%
ECO101204	BPT102324	44%	61.8%	96.7%
ECO101204	BCE100650	40%	78.3%	95.2%
ECO101204	BFU112636	38%	80.9%	88.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101204	BMA106301	40%	80.9%	88%
ECO101204	CDP102030	35%	34.9%	93.1%
ECO101204	EBC100442	76%	100%	100%
ECO101204	ECO101204	100%	100%	100%
ECO101204	HIN100264	37%	96.7%	90.7%
ECO101204	KPN300906	77%	78.3%	100%
ECO101204	LPN100121	40%	96.1%	96.9%
ECO101204	MCA100478	40%	78.9%	98.4%
ECO101204	NGO103687	43%	97.4%	91.3%
ECO101204	NME301805	40%	79.6%	94.5%
ECO101204	PMU101617	35%	99.3%	95.5%
ECO101204	PRT105076	55%	98.7%	93.3%
ECO101204	PAE201038	42%	96.7%	94.3%
ECO101204	PPU109585	43%	96.7%	92.5%
ECO101204	PSY105223	44%	98.0%	95.5%
ECO101204	SPA100448	78%	73.0%	100%
ECO101204	STM101441	78%	100%	100%
ECO101204	VCH101822	45%	96.7%	98.7%
ECO101204	YPS000756	53%	100%	100%
ECO101207	ABA100162	55%	95.7%	98.6%
ECO101207	BAN111872	47%	96.4%	99.3%
ECO101207	BAN109040	47%	96.4%	97.6%
ECO101207	BPT102489	47%	92.4%	97.8%
ECO101207	BBU100206	32%	88.7%	92.1%
ECO101207	BCE105937	51%	95.4%	95.6%
ECO101207	BFU111093	50%	88.7%	98.9%
ECO101207	BFU109685	53%	95.4%	96.2%
ECO101207	BFU101657	53%	97.4%	98.3%
ECO101207	BMA104769	54%	95.4%	96.2%
ECO101207	CJU101445	41%	88.7%	96.0%
ECO101207	CAC100976	43%	95.0%	97.6%
ECO101207	CAC101984	45%	95.4%	92.7%
ECO101207	CBO100817	46%	96.0%	87.3%
ECO101207	CDF100364	42%	97.4%	91.4%
ECO101207	CDF100059	45%	97.0%	87.7%
ECO101207	CDP100145	35%	79.1%	94.8%
ECO101207	EBC100908	92%	100%	100%
ECO101207	EFA201011	45%	91.7%	90.6%
ECO101207	EFM201430	44%	95.4%	95.9%
ECO101207	ECO101207	100%	100%	100%
ECO101207	HIN100792	73%	94.7%	97.6%
ECO101207	HPY100638	41%	90.1%	97.8%
ECO101207	KPN300622	94%	97.7%	100%
ECO101207	LMO100023	42%	91.7%	93.1%
ECO101207	MCA101061	49%	92.4%	97.3%
ECO101207	MAV101486	38%	97.4%	96.7%
ECO101207	MBV100622	38%	96.0%	95.4%
ECO101207	MLP100129	38%	96.0%	94.4%
ECO101207	MTU200982	38%	96.0%	95.4%
ECO101207	MGE100462	40%	90.1%	91.4%
ECO101207	MPN100175	43%	89.1%	91.1%
ECO101207	NGO100830	50%	95.7%	97.6%
ECO101207	NME200784	49%	95.7%	97.6%
ECO101207	PMU101289	73%	95.0%	98.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101207	PRT105513	76%	97.7%	98.7%
ECO101207	PAE202021	43%	88.7%	94.3%
ECO101207	PPU110452	42%	88.7%	94.3%
ECO101207	PSY105455	44%	88.7%	94.3%
ECO101207	SPA100524	89%	82.5%	100%
ECO101207	STY102987	97%	100%	100%
ECO101207	SAU802500	44%	95.7%	97.9%
ECO101207	SEP201007	46%	96.0%	98.3%
ECO101207	SHA101112	43%	96.0%	98.3%
ECO101207	SMU100644	45%	96.0%	93.8%
ECO101207	SPN401900	43%	96.4%	96.3%
ECO101207	SPY201685	43%	95.7%	94.1%
ECO101207	SPY200163	44%	95.7%	95.7%
ECO101207	TPA100106	35%	17.9%	10.3%
ECO101207	VCH100390	42%	88.7%	90.0%
ECO101207	YPS002957	73%	96.7%	99.3%
ECO101221	ABA100441	23%	38.6%	52.6%
ECO101221	BAN113211	22%	49.2%	66.3%
ECO101221	BAN103300	25%	53.5%	64.4%
ECO101221	BFR100072	27%	27.1%	40.1%
ECO101221	BPT100842	39%	88.2%	92.2%
ECO101221	BCE108130	36%	89.9%	94.6%
ECO101221	BFU104983	25%	19.7%	28.1%
ECO101221	BMA108356	24%	52.0%	67.2%
ECO101221	CTR100599	25%	31.7%	51.6%
ECO101221	CAC102036	32%	24.2%	38.7%
ECO101221	CDF102584	29%	28.5%	29.1%
ECO101221	CDP100971	24%	50.6%	58.3%
ECO101221	EBC101263	27%	42.0%	68.0%
ECO101221	EFA202691	27%	29.5%	82.7%
ECO101221	ECO101221	100%	100%	100%
ECO101221	HPY100485	21%	51.8%	57.9%
ECO101221	KPN301638	24%	46.3%	72.9%
ECO101221	LMO101830	34%	13.2%	23.5%
ECO101221	MCA101345	26%	47.2%	67.6%
ECO101221	MAV103284	28%	40.5%	28.4%
ECO101221	PRT102456	34%	89.0%	98.9%
ECO101221	PAE201495	26%	48.7%	72.8%
ECO101221	PPU107172	27%	25.2%	38.2%
ECO101221	PSY100737	24%	66.4%	79.5%
ECO101221	SPA103428	31%	24.2%	53.7%
ECO101221	STY103008	26%	48.0%	77.7%
ECO101221	STM105235	23%	39.8%	47.2%
ECO101221	UUR100580	23%	38.1%	34.3%
ECO101221	VCH102929	33%	24.0%	36.8%
ECO101221	YPS001416	37%	89.7%	94.6%
ECO101224	ABA100364	47%	100%	92.1%
ECO101224	BAN102628	31%	84.1%	69.2%
ECO101224	BAN101664	31%	87.1%	65.3%
ECO101224	BAN103900	32%	84.1%	64.3%
ECO101224	BPT102004	43%	94.7%	91.2%
ECO101224	BCE115180	43%	97.0%	92.6%
ECO101224	BFU110989	42%	98.5%	97.7%
ECO101224	BMA108472	44%	93.9%	89.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101224	CJU100845	41%	93.2%	89.8%
ECO101224	CPN200091	30%	81.1%	67.1%
ECO101224	CTR200811	30%	84.1%	67.9%
ECO101224	EBC101093	89%	90.2%	96.7%
ECO101224	EFA200335	29%	82.6%	59.6%
ECO101224	ECO101224	100%	100%	100%
ECO101224	HIN100807	69%	93.9%	80.5%
ECO101224	HPY100877	27%	90.2%	66.1%
ECO101224	KPN302777	84%	100%	100%
ECO101224	LPN100109	53%	93.2%	95.2%
ECO101224	LMO100599	30%	90.9%	68.6%
ECO101224	MCA103553	31%	96.2%	67.8%
ECO101224	NGO100300	60%	94.7%	85.1%
ECO101224	NME201034	60%	94.7%	85.1%
ECO101224	PMU100328	73%	93.9%	84.4%
ECO101224	PRT100747	74%	98.5%	90.9%
ECO101224	PAE205366	43%	93.9%	90.3%
ECO101224	PPU102253	44%	93.9%	91.7%
ECO101224	PSY103255	46%	93.2%	90.2%
ECO101224	SPA103418	90%	100%	100%
ECO101224	STY103013	90%	100%	99.2%
ECO101224	STM101403	90%	100%	99.2%
ECO101224	SAU801878	32%	84.1%	61.4%
ECO101224	SEP200517	34%	84.1%	61.4%
ECO101224	SHA100418	33%	84.1%	61.0%
ECO101224	VCH101673	63%	97.7%	88.4%
ECO101224	YPS000842	82%	94.7%	83.9%
ECO101225	ABA100372	31%	98.9%	99.5%
ECO101225	BPT100713	43%	98.9%	95.2%
ECO101225	BCE113703	45%	70.9%	100%
ECO101225	BFU101346	44%	98.3%	100%
ECO101225	BMA103282	42%	98.3%	84.6%
ECO101225	CAC101842	33%	38.0%	22.6%
ECO101225	CDF100727	35%	21.8%	11.5%
ECO101225	EBC101094	93%	99.4%	99.4%
ECO101225	ECO101225	100%	100%	100%
ECO101225	HIN100806	46%	98.3%	95.1%
ECO101225	KPN301102	93%	98.9%	98.9%
ECO101225	LPN103351	42%	98.3%	97.2%
ECO101225	MCA100772	30%	89.9%	87.7%
ECO101225	NGO101561	35%	98.9%	100%
ECO101225	NME201982	37%	98.9%	100%
ECO101225	PMU100329	51%	97.8%	96.2%
ECO101225	PRT100746	56%	98.9%	82.0%
ECO101225	PAE203199	44%	98.9%	96.4%
ECO101225	PPU112224	43%	96.6%	94.4%
ECO101225	PSY107398	44%	96.6%	93.9%
ECO101225	SPA103416	92%	100%	100%
ECO101225	STY103014	93%	100%	100%
ECO101225	STM101401	93%	100%	100%
ECO101225	SEP202595	22%	63.1%	59.1%
ECO101225	VCH101672	60%	99.4%	97.8%
ECO101225	YPS000845	75%	99.4%	98.9%
ECO101227	ABA104132	26%	95.3%	90.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101227	BPT102085	46%	97.2%	93.9%
ECO101227	BCE113475	27%	98.6%	93.7%
ECO101227	BFU105556	34%	97.2%	95.4%
ECO101227	BMA104685	37%	97.2%	92.5%
ECO101227	EBC101097	78%	100%	100%
ECO101227	ECO101227	100%	100%	100%
ECO101227	KPN301099	80%	100%	100%
ECO101227	PMU100331	46%	100%	100%
ECO101227	PRT100743	56%	100%	100%
ECO101227	PAE204064	44%	98.6%	97.8%
ECO101227	PPU108105	44%	99.5%	99.1%
ECO101227	PSY102225	46%	99.1%	97.4%
ECO101227	SPA103429	88%	100%	100%
ECO101227	STY103017	88%	100%	100%
ECO101227	VCH103587	53%	99.1%	99.5%
ECO101227	YPS000864	58%	100%	100%
ECO101232	ABA101674	31%	49.1%	97.1%
ECO101232	ABA101271	54%	96.2%	93.4%
ECO101232	BAN112775	46%	95.7%	96.2%
ECO101232	BAN112641	55%	95.7%	95.7%
ECO101232	BFR12098	50%	95.5%	96.7%
ECO101232	BPT100787	52%	95.7%	95.2%
ECO101232	BCE106968	55%	95.7%	95.7%
ECO101232	BFU106334	56%	95.7%	95.7%
ECO101232	BMA105225	56%	95.7%	90.0%
ECO101232	CJU100317	51%	97.0%	97.7%
ECO101232	CTR100786	54%	94.0%	95.2%
ECO101232	CAC100088	55%	96.5%	97.2%
ECO101232	CDP101544	56%	98.0%	79.4%
ECO101232	CDP101563	65%	99.5%	90.7%
ECO101232	EBC101417	94%	98.0%	100%
ECO101232	ECO101232	100%	100%	100%
ECO101232	HIN101397	82%	98.0%	98.0%
ECO101232	HPY101261	66%	97.0%	97.7%
ECO101232	KPN301482	94%	100%	100%
ECO101232	LPN101519	55%	95.7%	95.2%
ECO101232	LMO100726	52%	98.0%	97.2%
ECO101232	MCA100829	55%	96.5%	94.8%
ECO101232	MAV106589	55%	95.5%	89.4%
ECO101232	MBV101736	55%	94.5%	91.5%
ECO101232	MLP100789	55%	94.0%	89.4%
ECO101232	MTU201591	55%	94.5%	91.5%
ECO101232	NGO101060	55%	95.7%	95.2%
ECO101232	NME200836	54%	95.7%	95.2%
ECO101232	PMU100578	78%	99.0%	97.8%
ECO101232	PRT101792	85%	99.0%	99.2%
ECO101232	PAE200036	55%	95.5%	94.3%
ECO101232	PPU102955	54%	98.0%	96.0%
ECO101232	PSY101235	54%	97.7%	94.9%
ECO101232	SPA103415	95%	99.0%	100%
ECO101232	STY103023	96%	100%	100%
ECO101232	STM101376	96%	100%	100%
ECO101232	SAU801372	49%	97.7%	95.8%
ECO101232	SEP202063	52%	98.0%	96.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101232	SHA101692	50%	98.0%	96.3%
ECO101232	SMU100051	53%	97.5%	96.3%
ECO101232	SPN401630	52%	97.2%	95.1%
ECO101232	SPY100159	56%	41.8%	94.9%
ECO101232	VCH101151	81%	99.0%	99.2%
ECO101232	YPS000868	90%	99.5%	99.7%
ECO101233	ABA100546	40%	53.2%	91.8%
ECO101233	BAN104627	30%	75.9%	85.2%
ECO101233	BAN101920	33%	85.7%	96.6%
ECO101233	BFR11333	37%	53.0%	90.4%
ECO101233	BPT101671	40%	55.8%	99.6%
ECO101233	BCE110367	38%	53.6%	95.8%
ECO101233	BFU102502	39%	53.9%	96.2%
ECO101233	BMA104977	38%	55.6%	99.2%
ECO101233	CJU100463	39%	44.8%	79.5%
ECO101233	CTR200595	28%	42.6%	95.2%
ECO101233	CAC101913	40%	53.4%	94.3%
ECO101233	CDP101556	40%	99.8%	97.7%
ECO101233	EBC101418	84%	99.8%	100%
ECO101233	ECO101233	100%	100%	100%
ECO101233	HIN101357	55%	98.7%	96.9%
ECO101233	HPY101262	46%	99.8%	100%
ECO101233	KPN300203	87%	22.5%	100%
ECO101233	KPN301483	81%	99.8%	100%
ECO101233	LPN102878	38%	55.8%	99.2%
ECO101233	LMO102173	36%	52.5%	93.3%
ECO101233	MCA102336	34%	55.4%	96.7%
ECO101233	MAV106588	39%	45.9%	77.2%
ECO101233	MBV101739	35%	54.5%	89.0%
ECO101233	MLP100788	39%	45.9%	77.2%
ECO101233	MTU201590	35%	54.5%	92.3%
ECO101233	NGO101889	41%	55.6%	99.6%
ECO101233	NME202047	41%	55.6%	99.6%
ECO101233	PMU100580	51%	98.9%	98.7%
ECO101233	PRT101793	60%	98.9%	98.0%
ECO101233	PAE200650	40%	56.1%	94.6%
ECO101233	PPU107434	38%	56.1%	94.9%
ECO101233	PSY107999	40%	41.7%	95.0%
ECO101233	SPA102154	86%	99.1%	100%
ECO101233	STY103024	87%	99.8%	100%
ECO101233	STM101373	87%	99.8%	100%
ECO101233	SAU801370	36%	53.6%	94.2%
ECO101233	SEP202061	36%	56.3%	98.1%
ECO101233	SHA101691	34%	53.6%	94.2%
ECO101233	SMU100047	34%	52.1%	94.5%
ECO101233	SPN401632	37%	55.8%	98.0%
ECO101233	VCH101152	60%	99.8%	96.8%
ECO101233	YPS000870	72%	99.6%	94.9%
ECO101239	BCE115057	59%	3.5%	39.3%
ECO101239	ECO101239	100%	100%	100%
ECO101239	MBV101177	58%	4.4%	9.7%
ECO101239	YPS002265	27%	95.7%	93.4%
ECO101256	ABA105014	34%	63.7%	62.1%
ECO101256	BAN100800	32%	11.6%	92.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101256	BAN110296	30%	33.0%	51.7%
ECO101256	BAN110043	38%	30.9%	95.8%
ECO101256	BAN109795	27%	65.8%	53.1%
ECO101256	BAN104356	28%	65.2%	49.2%
ECO101256	BAN100401	30%	65.8%	93.8%
ECO101256	BAN101643	27%	90.6%	68.6%
ECO101256	BAN113748	33%	65.5%	62.7%
ECO101256	BAN106855	35%	56.9%	96.2%
ECO101256	BAN101846	30%	83.5%	62.4%
ECO101256	BAN106371	36%	64.1%	52.7%
ECO101256	BCE106179	53%	98.8%	98.4%
ECO101256	BFU111465	56%	98.8%	89.7%
ECO101256	BMA100349	37%	62.3%	52.9%
ECO101256	CAC102781	30%	63.8%	55.2%
ECO101256	CBO102943	34%	66.0%	48.8%
ECO101256	CDF103324	31%	6.2%	83.7%
ECO101256	CDF102742	27%	27.5%	21.6%
ECO101256	CDF101314	29%	28.3%	32.2%
ECO101256	CDF101143	27%	33.6%	73.6%
ECO101256	CDF103236	32%	23.3%	30.3%
ECO101256	CDF102708	23%	39.9%	48.0%
ECO101256	CDF102082	30%	28.3%	22.5%
ECO101256	CDF102872	31%	31.0%	18.2%
ECO101256	CDF103636	30%	32.7%	17.9%
ECO101256	CDF104338	27%	22.2%	18.3%
ECO101256	CDF104477	26%	63.5%	68.5%
ECO101256	CDF100533	26%	64.3%	69.8%
ECO101256	CDF101308	27%	63.7%	57.8%
ECO101256	CDF102441	27%	63.5%	82.5%
ECO101256	CDF101353	27%	64.1%	83.1%
ECO101256	CDF104196	28%	65.1%	57.3%
ECO101256	CDF101484	28%	64.6%	57.7%
ECO101256	CDF104553	28%	63.8%	57.8%
ECO101256	CDF104427	31%	63.7%	56.8%
ECO101256	CDF103374	28%	64.4%	56.5%
ECO101256	CDF102134	30%	63.5%	82.1%
ECO101256	CDF101213	28%	66.4%	45.3%
ECO101256	EBC101287	79%	99.1%	98.9%
ECO101256	ECO101256	100%	100%	100%
ECO101256	KPN303278	33%	81.1%	96.9%
ECO101256	LPN100768	45%	14.2%	87.9%
ECO101256	LPN101593	31%	28.4%	37.3%
ECO101256	LPN101435	25%	64.1%	80.3%
ECO101256	LPN102855	31%	83.4%	65.9%
ECO101256	LPN101338	34%	80.9%	70.3%
ECO101256	LPN101049	39%	63.4%	53.4%
ECO101256	LPN100036	37%	66.3%	80.8%
ECO101256	MAV105530	34%	64.0%	69.2%
ECO101256	MBV103119	32%	63.7%	68.2%
ECO101256	MLP101071	33%	64.0%	68.2%
ECO101256	MTU201337	32%	63.7%	68.2%
ECO101256	PAE204599	36%	83.7%	40.1%
ECO101256	PPU109748	37%	83.2%	44.5%
ECO101256	PSY104256	39%	44.9%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101256	PSY105293	35%	91.2%	48.8%
ECO101256	SPA104345	84%	82.5%	97.5%
ECO101256	STY103069	79%	99.4%	98.9%
ECO101256	STM101295	79%	99.4%	98.9%
ECO101256	VCH100646	40%	63.4%	62.0%
ECO101256	YPS001063	36%	65.2%	54.8%
ECO101257	EBC100780	87%	75.2%	97.8%
ECO101257	ECO101257	100%	100%	100%
ECO101257	HIN101697	49%	99.2%	99.2%
ECO101257	KPN300505	87%	20.7%	86.9%
ECO101257	KPN301047	89%	76.7%	100%
ECO101257	PMU100181	47%	99.2%	99.4%
ECO101257	PRT101542	69%	99.8%	100%
ECO101257	SPA104347	64%	100%	100%
ECO101257	STY103071	90%	100%	100%
ECO101257	STM101292	90%	100%	100%
ECO101257	VCH103525	53%	99.7%	95.7%
ECO101257	YPS001621	74%	100%	100%
ECO101258	BCE111288	28%	24.7%	61.7%
ECO101258	BFU111198	28%	72.3%	57.1%
ECO101258	EBC101482	45%	97.5%	100%
ECO101258	ECO101258	100%	100%	100%
ECO101258	KPN301048	53%	94.0%	100%
ECO101258	PSY105711	29%	24.7%	63.0%
ECO101258	SPA104349	53%	94.3%	100%
ECO101258	STY103073	55%	70.3%	94.1%
ECO101258	STM101289	50%	80.8%	100%
ECO101258	YPS002921	37%	76.6%	73.7%
ECO101259	ABA105845	65%	98.1%	89.6%
ECO101259	BAN111495	32%	96.6%	98.1%
ECO101259	BAN110931	47%	96.6%	99.2%
ECO101259	BFR102480	27%	96.9%	87.1%
ECO101259	BPT101515	64%	96.2%	96.9%
ECO101259	BFU100534	65%	96.2%	95.8%
ECO101259	BMA108591	63%	96.2%	95.8%
ECO101259	CJU101319	47%	98.1%	93.4%
ECO101259	CPN200344	29%	95.4%	94.3%
ECO101259	CTR200374	32%	70.2%	61.4%
ECO101259	EBC101481	95%	100%	100%
ECO101259	EFA201890	47%	94.7%	98%
ECO101259	ECO101259	100%	100%	100%
ECO101259	HIN101698	75%	98.9%	87.8%
ECO101259	HPY100192	45%	100%	94.9%
ECO101259	KPN301049	89%	100%	100%
ECO101259	LPN103417	57%	98.9%	97.4%
ECO101259	LMO102350	45%	95.4%	97.3%
ECO101259	MCA100281	57%	97.3%	95.3%
ECO101259	MAV103640	33%	95.8%	97.8%
ECO101259	MBV101416	33%	95.0%	97.0%
ECO101259	MLP101099	32%	95.8%	97.8%
ECO101259	MTU201463	33%	95.0%	97.0%
ECO101259	NGO101585	60%	98.1%	98.9%
ECO101259	NME201989	61%	98.1%	98.9%
ECO101259	PMU100182	81%	99.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101259	PRT101421	86%	100%	100%
ECO101259	PAE201805	69%	99.2%	99.2%
ECO101259	PSY103929	70%	99.2%	99.6%
ECO101259	SPA104351	80%	100%	100%
ECO101259	STY103075	98%	100%	100%
ECO101259	STM101286	97%	100%	100%
ECO101259	SAU801011	44%	94.7%	97.3%
ECO101259	SEP200257	44%	94.7%	97.3%
ECO101259	SHA100265	56%	43.5%	94.2%
ECO101261	EBC101285	93%	100%	100%
ECO101261	ECO101261	100%	100%	100%
ECO101261	HIN101608	49%	98.5%	98.1%
ECO101261	KPN301207	92%	99.6%	99.3%
ECO101261	PMU100915	53%	97.0%	98.1%
ECO101261	PRT104263	71%	99.6%	99.3%
ECO101261	SPA104355	97%	100%	100%
ECO101261	STY103077	97%	100%	100%
ECO101261	STM101280	97%	100%	100%
ECO101261	VCH101656	58%	96.6%	98.9%
ECO101261	YPS002920	82%	99.6%	98.5%
ECO101298	ABA100361	28%	38.4%	38.9%
ECO101298	ABA100173	24%	69.7%	68.4%
ECO101298	BAN107308	40%	24.5%	90.9%
ECO101298	BFR11511	35%	91.6%	79.2%
ECO101298	BPT102123	26%	70.6%	74.7%
ECO101298	BCE113494	32%	18.7%	15.6%
ECO101298	BFU100516	38%	86.8%	100%
ECO101298	EBC101778	34%	92.6%	83.6%
ECO101298	EFM201682	32%	99.4%	94.1%
ECO101298	ECO101298	100%	100%	100%
ECO101298	KPN301258	34%	92.3%	93.4%
ECO101298	LPN102062	26%	26.8%	37.8%
ECO101298	LPN101639	29%	27.1%	38.2%
ECO101298	PMU101361	29%	42.9%	21.4%
ECO101298	PRT104467	29%	23.2%	21.5%
ECO101298	PAE202216	34%	98.1%	81.7%
ECO101298	PSY104382	34%	97.4%	88.6%
ECO101298	SMU100781	33%	32.3%	23.2%
ECO101298	YPS003214	36%	93.9%	80.4%
ECO101307	BFR12135	31%	93.3%	98.8%
ECO101307	CDF101113	36%	94.9%	97.8%
ECO101307	CDF103684	38%	94.9%	94.4%
ECO101307	CDP101707	34%	88.4%	98.3%
ECO101307	EBC100434	86%	77.3%	100%
ECO101307	ECO101307	100%	100%	100%
ECO101307	KPN304537	87%	99.6%	100%
ECO101307	MCA101881	38%	98.6%	94.7%
ECO101307	NGO100614	38%	96.5%	97.1%
ECO101307	NME201822	38%	96.9%	97.5%
ECO101307	PMU101104	39%	97.8%	98.3%
ECO101307	PRT100243	38%	94.9%	96.5%
ECO101307	SAU802473	35%	94.9%	95.3%
ECO101307	SHA101725	36%	98.4%	98.6%
ECO101307	VCH100864	38%	94.9%	93.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101307	YPS001074	33%	96.9%	96.9%
ECO101308	BAN111842	26%	16.6%	52.3%
ECO101308	BAN109593	38%	42.8%	90.5%
ECO101308	BAN105036	29%	95.2%	96.8%
ECO101308	CAC101783	26%	59.5%	68.9%
ECO101308	CBO102190	25%	62.0%	70.8%
ECO101308	CDF101708	37%	97.1%	98.3%
ECO101308	CDF101472	37%	96.0%	97.8%
ECO101308	CDF103674	42%	95.8%	98.5%
ECO101308	EBC100570	81%	90.9%	99.5%
ECO101308	EFM202575	30%	94.4%	95.1%
ECO101308	ECO101308	100%	100%	100%
ECO101308	KPN308729	85%	5.6%	67.5%
ECO101308	KPN300134	75%	28.3%	100%
ECO101308	KPN304546	75%	100%	100%
ECO101308	MAV100227	32%	57.0%	63.5%
ECO101308	MBV100846	28%	70.1%	79.2%
ECO101308	MTU203263	28%	70.1%	79.2%
ECO101308	SAU802133	33%	57.4%	66.0%
ECO101308	SEP201928	33%	57.4%	66.0%
ECO101308	SHA101910	33%	57.4%	66.0%
ECO101314	BPT102886	51%	99.8%	98.9%
ECO101314	BFU107954	52%	99.1%	97.2%
ECO101314	BMA103404	55%	99.6%	98.1%
ECO101314	EBC100501	90%	46.8%	100%
ECO101314	ECO101314	100%	100%	100%
ECO101314	KPN302014	86%	100%	100%
ECO101314	LPN103227	51%	96.3%	94.7%
ECO101314	PRT105211	73%	100%	100%
ECO101314	PAE200454	56%	99.6%	99.3%
ECO101314	PPU109266	54%	99.6%	92.3%
ECO101314	PSY100041	55%	99.6%	99.3%
ECO101314	SPA102108	87%	100%	100%
ECO101314	VCH102527	54%	99.6%	99.1%
ECO101314	YPS001287	68%	99.8%	99.3%
ECO101324	ECO101324	100%	100%	100%
ECO101328	ABA104605	34%	69.4%	83.1%
ECO101328	BPT102482	56%	52.0%	60.2%
ECO101328	ECO101328	100%	100%	100%
ECO101328	KPN307048	31%	64.3%	81.8%
ECO101328	MCA102180	29%	65.3%	84.2%
ECO101328	NGO102451	41%	64.3%	81.6%
ECO101328	PRT100612	67%	68.4%	84.8%
ECO101328	PPU112131	29%	63.3%	92.5%
ECO101328	SPA104405	40%	48.0%	74.2%
ECO101329	EBC100838	43%	47.1%	50.4%
ECO101329	ECO101329	100%	100%	100%
ECO101329	KPN200238	34%	67.9%	53.4%
ECO101329	STY102208	95%	100%	100%
ECO101333	BCE106664	33%	50.5%	17.1%
ECO101333	BMA103588	40%	50.5%	7.2%
ECO101333	ECO100546	93%	98.0%	64.7%
ECO101333	ECO101333	100%	100%	100%
ECO101333	KPN201795	50%	75.2%	88.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101333	PRT102245	37%	98.0%	64.1%
ECO101333	PRT104707	37%	99.0%	64.7%
ECO101333	PRT105949	38%	99.0%	64.7%
ECO101333	SPA104286	48%	100%	65.4%
ECO101333	STM103352	70%	98.0%	63.5%
ECO101333	STM102620	70%	100%	64.0%
ECO101333	YPS000024	47%	100%	67.1%
ECO101334	ABA105243	24%	82.1%	89.2%
ECO101334	BAN113435	21%	61.0%	70.9%
ECO101334	BAN113076	23%	83.7%	92.9%
ECO101334	BFR100347	33%	98.8%	95.8%
ECO101334	BFR102868	35%	86.4%	94.6%
ECO101334	BPT100811	36%	97.7%	98.2%
ECO101334	BBU100723	23%	83.9%	92.1%
ECO101334	CJU101207	22%	85.8%	95.3%
ECO101334	CBO100061	32%	97.3%	97.7%
ECO101334	CDF103152	19%	82.1%	88.4%
ECO101334	CDP100542	21%	80.2%	89.9%
ECO101334	EBC102781	70%	100%	97.4%
ECO101334	EFA201649	23%	87.0%	94.3%
ECO101334	EFM201563	22%	77.1%	38.4%
ECO101334	ECO101334	100%	100%	100%
ECO101334	LMO100586	22%	81.9%	92.1%
ECO101334	NGO100874	37%	98.1%	98.6%
ECO101334	NME200795	37%	98.1%	98.6%
ECO101334	PAE203208	31%	98.8%	98.8%
ECO101334	PPU101061	31%	98.8%	98.8%
ECO101334	PSY103115	32%	99.8%	99.8%
ECO101334	SAU801024	23%	83.5%	92.7%
ECO101334	SEP200277	24%	83.3%	92.7%
ECO101334	SHA101419	23%	83.3%	92.7%
ECO101334	SPN400426	31%	99.6%	99.4%
ECO101334	TPA100139	22%	87.8%	76.7%
ECO101343	ABA104282	20%	26.2%	80.9%
ECO101343	ABA104487	32%	28.0%	16.2%
ECO101343	ABA100799	29%	27.8%	45.6%
ECO101343	BAN107557	30%	10.8%	20.4%
ECO101343	BFR100872	29%	21.7%	28.0%
ECO101343	BPT103725	27%	32.9%	31.6%
ECO101343	BCE109890	24%	15.5%	43.7%
ECO101343	BCE107896	24%	89.1%	70.4%
ECO101343	BCE102461	25%	34.8%	100%
ECO101343	BCE112211	23%	93.2%	17.9%
ECO101343	BCE114917	26%	88.1%	18.9%
ECO101343	BFU105204	30%	3.6%	79.7%
ECO101343	BFU106847	34%	78.8%	43.2%
ECO101343	CPN201044	23%	19.0%	91.4%
ECO101343	CTR200857	24%	40.2%	75.5%
ECO101343	CAC102338	20%	82.9%	47.3%
ECO101343	CDP100418	27%	18.6%	64.0%
ECO101343	EFA203174	23%	79.6%	24.6%
ECO101343	EFM201322	22%	79.3%	24.4%
ECO101343	ECO101343	100%	100%	100%
ECO101343	HPY101160	19%	22.5%	39.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101343	HPY101140	23%	14.3%	46.6%
ECO101343	HPY100077	21%	32.4%	45.2%
ECO101343	KPN104916	21%	30.4%	49.9%
ECO101343	LPN101461	22%	13.4%	57.9%
ECO101343	LMO102167	22%	40.6%	56.8%
ECO101343	MAV103075	29%	13.0%	86.5%
ECO101343	MAV103280	27%	11.1%	42.6%
ECO101343	MAV103843	26%	25.7%	26.8%
ECO101343	MAV105169	23%	34.5%	27.8%
ECO101343	MAV103659	27%	29.5%	46.2%
ECO101343	MBV103797	23%	31.8%	82.7%
ECO101343	MTU201261	24%	35.9%	6.7%
ECO101343	MPN100430	22%	12.4%	18.9%
ECO101343	NGO102691	28%	31.4%	73.1%
ECO101343	NME102710	26%	25.9%	89.9%
ECO101343	PAE205248	29%	17.4%	88.4%
ECO101343	PSY101251	30%	11.1%	90.6%
ECO101343	STM102646	49%	50.4%	39.7%
ECO101343	STM103396	49%	95.6%	41.1%
ECO101343	SAU802654	20%	85.1%	14.3%
ECO101343	SEP201799	21%	35.7%	41.8%
ECO101343	SHA102148	25%	84.5%	31.9%
ECO101343	SHA103225	27%	86.2%	42.0%
ECO101343	SMU101323	21%	34.3%	24.9%
ECO101343	SPN301653	37%	41.4%	6.5%
ECO101343	SPY101502	29%	22.4%	59.1%
ECO101343	TPA100721	22%	31.0%	68.6%
ECO101346	ECO101515	98%	100%	100%
ECO101346	ECO101346	100%	100%	100%
ECO101347	BAN105621	28%	85.7%	94.7%
ECO101347	BCE100831	29%	86.9%	97.3%
ECO101347	BFU108387	28%	90.5%	92.1%
ECO101347	CBO102953	30%	44.6%	58.1%
ECO101347	CDF103746	27%	83.9%	96.3%
ECO101347	CDP100748	24%	82.7%	96.3%
ECO101347	EBC101954	62%	85.7%	100%
ECO101347	EFA201536	26%	82.1%	96.5%
ECO101347	ECO101347	100%	100%	100%
ECO101347	KPN302017	76%	85.7%	100%
ECO101347	LPN102113	32%	73.2%	87.9%
ECO101347	LPN100657	31%	85.7%	96.5%
ECO101347	MAV106572	26%	83.9%	94.6%
ECO101347	MLP100860	27%	83.9%	94.6%
ECO101347	PRT100566	42%	85.7%	100%
ECO101347	PRT101051	42%	85.7%	100%
ECO101347	SPA101820	80%	70.2%	100%
ECO101347	STY103689	90%	85.7%	100%
ECO101347	STM100915	90%	85.7%	100%
ECO101347	SPN401808	27%	94.6%	93.6%
ECO101347	VCH100423	29%	85.7%	97.9%
ECO101348	BPT102493	24%	67.9%	67.9%
ECO101348	BCE113692	23%	92.3%	91.1%
ECO101348	BMA103136	23%	92.3%	84.7%
ECO101348	EBC102812	65%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101348	EBC101129	83%	81.2%	100%
ECO101348	ECO101348	100%	100%	100%
ECO101348	KPN302018	76%	100%	100%
ECO101348	MCA101727	24%	91.2%	86.6%
ECO101348	NME301914	23%	76.4%	74.6%
ECO101348	PMU100389	22%	91.5%	91.7%
ECO101348	PMU100388	22%	100%	100%
ECO101348	PRT100163	57%	100%	100%
ECO101348	PAE202698	33%	26.5%	27.1%
ECO101348	SPA103439	79%	100%	100%
ECO101348	STY100529	80%	100%	100%
ECO101348	STM102581	68%	100%	100%
ECO101348	VCH103726	24%	100%	100%
ECO101348	VCH100621	26%	100%	97.4%
ECO101348	YPS002089	62%	100%	99.7%
ECO101355	ABA104145	25%	98.7%	98.4%
ECO101355	BCE111853	27%	89.0%	86.8%
ECO101355	BFU102407	26%	84.1%	84.4%
ECO101355	BMA105038	29%	78.1%	74.9%
ECO101355	EBC101162	64%	97.7%	97.4%
ECO101355	ECO101355	100%	100%	100%
ECO101355	KPN300181	59%	47.8%	100%
ECO101355	KPN304960	64%	97.3%	96.7%
ECO101355	LMO102225	28%	74.4%	30%
ECO101355	PAE204067	28%	96.7%	95.6%
ECO101355	PPU110142	24%	84.4%	81.8%
ECO101355	PSY108507	23%	68.4%	68.3%
ECO101365	ABA104344	60%	98.5%	98.1%
ECO101365	BPT100507	60%	98.5%	98.1%
ECO101365	BCE112553	58%	95.8%	94.7%
ECO101365	BFU102518	59%	95.4%	94.3%
ECO101365	BMA109462	58%	95.4%	94.3%
ECO101365	EBC100355	80%	51.1%	100%
ECO101365	ECO101365	100%	100%	100%
ECO101365	KPN306385	84%	100%	100%
ECO101365	MCA101046	31%	67.9%	72.5%
ECO101365	MAV100851	36%	98.5%	96.9%
ECO101365	MAV101794	37%	95.0%	95.2%
ECO101365	MAV101174	40%	96.6%	96.4%
ECO101365	MBV101674	35%	95.8%	92.2%
ECO101365	MTU201127	35%	95.8%	92.2%
ECO101365	PAE204975	37%	97.7%	97.0%
ECO101365	PPU111662	61%	99.2%	98.9%
ECO101365	SMU100553	34%	98.5%	98.1%
ECO101365	SPN400375	34%	99.6%	100%
ECO101365	SPY201354	30%	98.5%	98.1%
ECO101366	ABA103707	45%	96.4%	94.1%
ECO101366	BAN102785	35%	97.5%	93.7%
ECO101366	BAN107403	41%	97.5%	93.3%
ECO101366	BPT102322	45%	54.9%	95.6%
ECO101366	BCE107218	42%	97.1%	92.3%
ECO101366	BFU100415	49%	98.7%	70.3%
ECO101366	CAC103282	44%	97.1%	92.9%
ECO101366	CBO103696	41%	96%	91.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101366	CDF100453	41%	96%	91.5%
ECO101366	EBC100356	79%	98.5%	78.0%
ECO101366	ECO101366	100%	100%	100%
ECO101366	KPN305008	72%	99.8%	93.8%
ECO101366	MAV101275	41%	98.5%	90.6%
ECO101366	MBV104755	41%	98.5%	94.1%
ECO101366	MLP101467	42%	98.5%	93.7%
ECO101366	MTU200466	41%	98.5%	94.1%
ECO101366	PAE201627	38%	99.2%	53.2%
ECO101366	PAE203588	39%	98.1%	96.7%
ECO101366	PPU111663	47%	97.3%	96.8%
ECO101366	SEP200029	23%	64.2%	97.8%
ECO101369	ABA102526	65%	97.9%	97.5%
ECO101369	BFR101369	46%	95.4%	98.6%
ECO101369	BFR10873	50%	97.7%	99.1%
ECO101369	BPT100503	66%	97.5%	97.5%
ECO101369	BCE113086	65%	98.9%	99.5%
ECO101369	BFU102520	66%	98.9%	99.1%
ECO101369	BMA105289	64%	98.9%	99.5%
ECO101369	EBC101022	92%	87.9%	100%
ECO101369	EFM101677	21%	84.9%	79.3%
ECO101369	ECO101369	100%	100%	100%
ECO101369	KPN305001	94%	99.5%	99.3%
ECO101369	PPU111666	68%	97.5%	97.3%
ECO101369	PSY108977	24%	69.8%	75%
ECO101369	VCH100908	25%	71.4%	66.8%
ECO101370	ABA104199	38%	98.1%	97.2%
ECO101370	BPT101079	35%	95.6%	97.7%
ECO101370	EBC102965	87%	100%	100%
ECO101370	ECO101370	100%	100%	100%
ECO101370	KPN304998	81%	100%	100%
ECO101370	LMO101698	21%	58.2%	22.4%
ECO101370	MBV100825	29%	68.0%	77.9%
ECO101370	MTU200671	29%	68.0%	77.9%
ECO101370	PPU106601	43%	96.2%	98.7%
ECO101372	ABA104065	23%	45.1%	64.9%
ECO101372	BAN113185	26%	25.5%	92.0%
ECO101372	BAN100006	23%	49.1%	79.5%
ECO101372	BFR102947	26%	2.2%	14.3%
ECO101372	BFR100205	23%	30.0%	20.4%
ECO101372	BFR101444	24%	12.6%	36.8%
ECO101372	BMA107841	25%	16.8%	71.9%
ECO101372	CPN100435	21%	39.7%	46.7%
ECO101372	CPN100431	19%	46.5%	43.6%
ECO101372	CPN100014	21%	51.5%	32.6%
ECO101372	CPN100432	22%	39.8%	56.6%
ECO101372	CPN100430	22%	75.6%	18.2%
ECO101372	CTR200684	20%	53.8%	62.2%
ECO101372	CTR200685	20%	73.7%	49.5%
ECO101372	CAC102754	22%	56.1%	48.8%
ECO101372	CBO102489	20%	16.2%	56.1%
ECO101372	EBC101205	24%	72.5%	6.5%
ECO101372	EBC100399	24%	15.4%	93.9%
ECO101372	EBC100820	22%	57.5%	74.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101372	EBC100805	22%	41.5%	99.4%
ECO101372	EFM200844	25%	68.9%	21.2%
ECO101372	ECO101372	100%	100%	100%
ECO101372	HIN100251	24%	13.0%	54.1%
ECO101372	MCA100348	21%	87.1%	47.6%
ECO101372	MAV103822	28%	15.1%	32.3%
ECO101372	MBV100578	26%	52.3%	43.6%
ECO101372	MTU201447	23%	33.0%	65.1%
ECO101372	MTU201785	25%	19.7%	42.8%
ECO101372	MTU200277	24%	40.7%	36.1%
ECO101372	MTU200968	24%	51.5%	14.3%
ECO101372	MTU201737	22%	51.6%	39.2%
ECO101372	MTU202128	22%	52.6%	44.9%
ECO101372	MTU200529	25%	33.3%	52.2%
ECO101372	MTU200124	22%	32.0%	67.8%
ECO101372	MTU200296	24%	51.6%	11.3%
ECO101372	MTU200278	24%	52.5%	70.7%
ECO101372	MTU202704	26%	46.4%	75.8%
ECO101372	MTU201308	23%	68.8%	36.3%
ECO101372	MTU203538	23%	26.4%	54.6%
ECO101372	MTU203543	23%	15.4%	68.3%
ECO101372	MTU201807	24%	35.1%	70.1%
ECO101372	MTU202597	23%	46.4%	17.0%
ECO101372	MTU201422	25%	10.0%	67.6%
ECO101372	MTU201746	24%	48.6%	49.2%
ECO101372	MTU201377	26%	46.6%	39.8%
ECO101372	MTU201630	24%	11.0%	57.9%
ECO101372	MTU201226	25%	41.0%	71.4%
ECO101372	MTU202578	24%	45.0%	46.0%
ECO101372	MTU203301	27%	31.0%	89.3%
ECO101372	MTU201056	24%	14.9%	46.6%
ECO101372	MTU203322	23%	50.8%	24.7%
ECO101372	MTU202451	24%	48.6%	60.7%
ECO101372	MTU200863	26%	49.9%	43.4%
ECO101372	MTU201774	26%	51.2%	33.5%
ECO101372	MTU200575	25%	30.4%	38.7%
ECO101372	MTU203460	25%	24.9%	57.9%
ECO101372	MTU202815	26%	52.3%	35.8%
ECO101372	NGO101218	19%	52.9%	70.0%
ECO101372	NME101006	21%	34.4%	23.9%
ECO101372	NME103369	22%	46.0%	31.0%
ECO101372	NME102132	20%	68.8%	20.2%
ECO101372	PMU100714	23%	76.4%	18.8%
ECO101372	PAE204623	21%	80.0%	51.7%
ECO101372	SPA103182	34%	40.5%	96.6%
ECO101372	SMU101300	20%	77.0%	55.8%
ECO101372	SPN102747	26%	37.1%	31.4%
ECO101372	SPN103543	25%	51.2%	60%
ECO101372	SPY103363	27%	59.4%	26.6%
ECO101372	VCH103569	23%	43.4%	10.6%
ECO101376	BFR101740	26%	12.1%	13.1%
ECO101376	BMA108003	22%	23.8%	89.9%
ECO101376	CJU101583	20%	76.6%	45.8%
ECO101376	CJU100590	24%	24.7%	77.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101376	CDF102290	21%	49.7%	63.8%
ECO101376	ECO101376	100%	100%	100%
ECO101376	HPY101226	23%	30.2%	42.2%
ECO101376	HPY100602	22%	57.5%	14.7%
ECO101376	HPY100603	21%	26.6%	20.7%
ECO101376	HPY100285	20%	48.4%	29.7%
ECO101376	HPY100906	24%	36.1%	14.1%
ECO101376	KPN305340	21%	1.7%	95.3%
ECO101376	MBV101505	24%	32.6%	67.3%
ECO101376	NME301139	19%	20.1%	38.5%
ECO101376	NME300455	21%	61.8%	14.8%
ECO101376	NME301662	21%	67.6%	15.6%
ECO101376	PRT101929	20%	62.5%	52.5%
ECO101376	PSY108622	24%	4.9%	94.9%
ECO101376	PSY106453	22%	59.3%	55.8%
ECO101376	SPA103183	51%	74.2%	92.9%
ECO101376	STM102835	47%	37.9%	26.8%
ECO101376	SPY201103	21%	25.4%	41.8%
ECO101376	VCH101430	21%	76.2%	19.6%
ECO101378	ABA106017	25%	18.1%	55.6%
ECO101378	CAC102021	32%	10.3%	42.4%
ECO101378	ECO100384	43%	10.3%	84.9%
ECO101378	ECO101378	100%	100%	100%
ECO101381	ABA102855	26%	42.1%	72.8%
ECO101381	BCE109833	53%	61.0%	90.9%
ECO101381	BFU102061	26%	45.5%	88.4%
ECO101381	BMA109995	25%	43.6%	85.5%
ECO101381	EFA202448	22%	46.8%	98.7%
ECO101381	ECO101381	100%	100%	100%
ECO101381	MAV102145	24%	46.5%	97.5%
ECO101381	MBV102643	24%	46.5%	96.8%
ECO101381	MLP101539	25%	44.4%	92.5%
ECO101381	MTU200182	24%	46.5%	83.6%
ECO101381	PAE202538	56%	97.3%	97.8%
ECO101381	PSY103261	56%	97.6%	98.3%
ECO101381	SHA100260	20%	43.1%	91.3%
ECO101381	YPS002556	65%	99.3%	99.0%
ECO101382	BAN102413	28%	42.3%	81.4%
ECO101382	BCE107754	37%	80.7%	98.1%
ECO101382	CAC103685	25%	42.1%	82.2%
ECO101382	CBO103233	22%	38.4%	74.2%
ECO101382	ECO101382	100%	100%	100%
ECO101382	PAE202537	41%	97.2%	95.0%
ECO101382	PSY108146	39%	97.2%	89.7%
ECO101382	YPS002537	49%	96.5%	92.3%
ECO101393	BPT100171	27%	77.7%	85.1%
ECO101393	BCE100512	39%	77.1%	90.4%
ECO101393	BFU101107	41%	85.0%	89.6%
ECO101393	BMA103090	37%	46.0%	71.3%
ECO101393	BMA101500	39%	84.5%	91.2%
ECO101393	EBC103166	78%	96.3%	100%
ECO101393	ECO101393	100%	100%	100%
ECO101393	KPN307476	80%	96.0%	100%
ECO101393	PAE200152	36%	75.4%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101393	PPU107994	41%	77.1%	88.1%
ECO101393	PSY102576	34%	82.8%	94.5%
ECO101393	SPA103480	26%	82.8%	92.7%
ECO101393	STY104247	28%	79.9%	94.0%
ECO101393	STM100853	83%	86.4%	99.7%
ECO101393	YPS001640	27%	85.6%	85.9%
ECO101400	ABA104283	22%	87.9%	84.6%
ECO101400	BFU107308	38%	93.0%	90.0%
ECO101400	CBO100793	18%	80%	84.8%
ECO101400	CDF101725	23%	67.9%	71.3%
ECO101400	CDP100861	21%	87.0%	93.4%
ECO101400	EFA201740	17%	64.2%	63.4%
ECO101400	ECO101400	100%	100%	100%
ECO101400	HIN100490	38%	96.1%	95.7%
ECO101400	KPN304048	77%	98.2%	100%
ECO101400	NME301505	42%	96.4%	100%
ECO101400	PMU101587	43%	95.8%	99.1%
ECO101400	PSY102817	23%	90%	88.1%
ECO101400	SPA103397	84%	99.4%	100%
ECO101400	STY103732	87%	99.4%	97.3%
ECO101400	SPY200689	21%	77.6%	81.1%
ECO101400	VCH103249	23%	90.6%	90.6%
ECO101400	VCH102289	20%	94.5%	96.9%
ECO101403	BAN110650	28%	67.7%	98.2%
ECO101403	BAN102654	29%	94.0%	98.9%
ECO101403	CDF104202	37%	19.9%	84.5%
ECO101403	CDF102535	35%	26.1%	85.8%
ECO101403	CDF103887	35%	52.5%	97.1%
ECO101403	CDF100871	34%	76.6%	95.2%
ECO101403	CDF103297	32%	92.0%	96.2%
ECO101403	CDF101218	33%	92.0%	96.2%
ECO101403	CDF103939	33%	92.0%	96.2%
ECO101403	CDF100573	33%	92.0%	96.2%
ECO101403	CDF101412	33%	92.0%	96.2%
ECO101403	CDF100312	33%	92.0%	96.2%
ECO101403	CDF103189	34%	92.0%	96.2%
ECO101403	EFA200364	25%	87.1%	96.6%
ECO101403	EFM201897	23%	80.1%	91.4%
ECO101403	EFM201232	32%	93.0%	96.9%
ECO101403	ECO101403	100%	100%	100%
ECO101403	HPY100981	30%	91.3%	83.4%
ECO101403	HPY100434	30%	91.3%	83.4%
ECO101403	HPY100973	30%	91.3%	83.4%
ECO101403	HPY101512	30%	91.3%	83.4%
ECO101403	HPY101078	30%	91.3%	83.4%
ECO101403	KPN204073	83%	99.5%	100%
ECO101403	MCA103372	28%	55.5%	97.5%
ECO101403	MBV101240	26%	97.3%	91.7%
ECO101403	MTU203772	25%	79.6%	85.3%
ECO101403	MTU202753	26%	97.3%	91.7%
ECO101403	NME102130	56%	56.0%	100%
ECO101403	PRT106097	80%	11.4%	100%
ECO101403	PRT104808	89%	31.6%	96.9%
ECO101403	PRT103046	80%	53.7%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101403	PRT105185	83%	90.8%	100%
ECO101403	PRT102105	82%	94.8%	99.7%
ECO101403	PRT102853	82%	99.8%	97.8%
ECO101403	PRT105904	83%	99.3%	99.3%
ECO101403	PRT105312	82%	99.8%	97.8%
ECO101403	PRT101071	83%	99.8%	99.8%
ECO101403	SPA101059	64%	97.0%	100%
ECO101403	STY101241	64%	96.0%	97.3%
ECO101403	STM101920	35%	95.5%	88.5%
ECO101406	BFR11829	46%	92.4%	99.3%
ECO101406	CAC101457	32%	37.3%	96.6%
ECO101406	CBO101154	33%	73.8%	61.3%
ECO101406	CDF100070	37%	16.8%	97.5%
ECO101406	CDF103927	32%	38.4%	96.1%
ECO101406	EBC107301	89%	97.6%	99.5%
ECO101406	ECO101406	100%	100%	100%
ECO101406	KPN300274	91%	25.5%	92.9%
ECO101406	KPN308666	87%	97.3%	99.2%
ECO101406	KPN300541	93%	6.9%	63.0%
ECO101406	KPN300422	87%	16.3%	87.9%
ECO101406	KPN300254	71%	29.8%	100%
ECO101406	PPU102549	69%	97.6%	98.5%
ECO101406	PSY104961	69%	97.6%	99.6%
ECO101406	SPA103388	87%	100%	100%
ECO101406	STY103739	92%	97.2%	99.1%
ECO101421	ABA104573	24%	81.2%	88.2%
ECO101421	BPT102546	35%	68.8%	67.6%
ECO101421	BCE112411	28%	86.2%	82.3%
ECO101421	EBC100706	46%	89.2%	95.5%
ECO101421	EFA200682	25%	83.8%	86.1%
ECO101421	ECO101421	100%	100%	100%
ECO101421	KPN301120	28%	54.2%	54.6%
ECO101421	MAV108571	26%	80%	83.5%
ECO101421	MBV102645	25%	55%	49.8%
ECO101421	MTU200164	25%	55%	50%
ECO101421	PAE205520	29%	77.9%	75.2%
ECO101421	SPA101753	52%	70.4%	100%
ECO101421	STY103774	58%	91.2%	99.1%
ECO101421	YPS003104	25%	89.6%	96.8%
ECO101423	BCE102082	23%	69.7%	83.9%
ECO101423	BFU111349	23%	42.8%	58.5%
ECO101423	BMA105152	24%	65.7%	66.7%
ECO101423	CDF104423	19%	70.0%	94.4%
ECO101423	EBC100616	77%	100%	100%
ECO101423	ECO101423	100%	100%	100%
ECO101423	KPN304022	77%	100%	100%
ECO101423	MAV103258	30%	26.9%	83.5%
ECO101423	MBV100019	26%	31.4%	66.9%
ECO101423	MTU202185	23%	50.7%	73.2%
ECO101423	PAE200518	39%	12.2%	7.6%
ECO101423	PAE200515	20%	93.2%	86.2%
ECO101423	PPU105397	21%	95.8%	24.0%
ECO101423	PSY102870	32%	21.2%	22.1%
ECO101423	SPA101751	88%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101423	STY103776	89%	100%	100%
ECO101436	BAN103501	28%	60.6%	87.3%
ECO101436	BAN110205	34%	97.8%	96.5%
ECO101436	BMA101276	47%	99.6%	100%
ECO101436	CDP101662	29%	97.3%	86.1%
ECO101436	ECO101436	100%	100%	100%
ECO101436	KPN300233	87%	31.4%	100%
ECO101436	KPN305071	82%	100%	100%
ECO101436	MCA101686	48%	98.7%	95.7%
ECO101436	MAV100393	34%	98.2%	92.2%
ECO101436	MBV101203	34%	96.0%	52.8%
ECO101436	PAE203869	52%	97.8%	97.8%
ECO101436	SPA102906	95%	100%	100%
ECO101436	STY103788	96%	100%	100%
ECO101436	STM100371	96%	100%	100%
ECO101436	SAU802394	37%	98.2%	99.1%
ECO101436	SEP200989	39%	98.2%	99.1%
ECO101436	SHA103168	32%	84.5%	100%
ECO101438	BAN111998	37%	88.9%	99.1%
ECO101438	BAN110721	60%	94.0%	98.4%
ECO101438	CDP101667	55%	90.3%	87.6%
ECO101438	ECO101438	100%	100%	100%
ECO101438	KPN305069	88%	100%	100%
ECO101438	MCA101684	74%	94.9%	95.3%
ECO101438	MAV100251	60%	28.6%	100%
ECO101438	MAV100389	57%	94.4%	89.9%
ECO101438	MBV101453	56%	94.0%	87.5%
ECO101438	MTU201147	56%	94.0%	87.5%
ECO101438	PAE203871	73%	99.0%	100%
ECO101438	SPA102908	89%	98.2%	100%
ECO101438	STY103792	94%	100%	100%
ECO101438	STM100369	94%	100%	100%
ECO101444	ABA105622	35%	99.7%	96.0%
ECO101444	ABA100551	45%	99.0%	96.0%
ECO101444	BCE108394	51%	44.0%	99.2%
ECO101444	EBC101738	74%	93.2%	100%
ECO101444	EFM201176	24%	44.7%	37.9%
ECO101444	ECO101444	100%	100%	100%
ECO101444	HPY200933	32%	22.2%	15.0%
ECO101444	KPN305038	75%	99.7%	100%
ECO101444	PRT102506	51%	98.3%	99.3%
ECO101444	SPA102630	85%	99.7%	100%
ECO101444	STM100351	85%	93.2%	99.6%
ECO101444	VCH103555	44%	98.0%	87.5%
ECO101444	YPS000836	41%	97.3%	96.7%
ECO101452	EBC100834	77%	77.2%	100%
ECO101452	ECO101452	100%	100%	100%
ECO101452	SPA100470	88%	77.2%	100%
ECO101452	STY104204	88%	77.2%	100%
ECO101452	STM100342	88%	77.2%	100%
ECO101455	EBC100261	79%	84.8%	100%
ECO101455	ECO101455	100%	100%	100%
ECO101458	BPT100319	28%	92.4%	94.5%
ECO101458	BCE110600	29%	100%	93.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101458	BFU103600	29%	96.3%	96.1%
ECO101458	BMA103798	30%	98.4%	98.7%
ECO101458	EBC100975	85%	97.1%	99.6%
ECO101458	ECO101458	100%	100%	100%
ECO101458	KPN102930	31%	66.1%	97.8%
ECO101458	MLP100689	22%	87.4%	83.8%
ECO101459	BFR10990	32%	86.0%	72.3%
ECO101459	BCE111976	49%	87.6%	90.4%
ECO101459	BFU103598	50%	92.2%	87.7%
ECO101459	BFU113321	50%	91.2%	94.1%
ECO101459	BMA105422	50%	90.2%	92.1%
ECO101459	EBC100976	77%	95.3%	96.3%
ECO101459	EFA200947	34%	77.2%	84.2%
ECO101459	ECO101459	100%	100%	100%
ECO101459	LPN101358	36%	35.8%	32.3%
ECO101459	MAV100337	30%	85.0%	76.7%
ECO101459	MBV101864	34%	84.5%	86.3%
ECO101459	MTU200829	34%	85.5%	69.9%
ECO101459	PAE105948	31%	59.1%	56.5%
ECO101459	SPA103398	33%	35.2%	69.6%
ECO101459	STY103754	28%	84.5%	80.9%
ECO101467	BCE109104	32%	84.0%	92.9%
ECO101467	BFU111125	28%	94.5%	89.2%
ECO101467	BFU102927	33%	96.3%	88.9%
ECO101467	BMA106486	33%	96.3%	91.3%
ECO101467	ECO101467	100%	100%	100%
ECO101467	HIN101436	29%	94.7%	89.8%
ECO101467	HIN100035	31%	95.2%	91.2%
ECO101467	MAV102866	29%	91.8%	85.0%
ECO101467	MBV103266	27%	98.6%	94.2%
ECO101467	MLP101262	29%	91.8%	85.1%
ECO101467	MTU201786	27%	98.6%	91.4%
ECO101467	NGO102937	23%	37.4%	93.4%
ECO101467	NME100881	33%	31.7%	93.4%
ECO101467	PMU100041	35%	97.0%	96.6%
ECO101467	PRT105836	35%	97.3%	100%
ECO101467	PPU111319	33%	91.4%	94.6%
ECO101467	PSY104758	34%	91.1%	95.0%
ECO101468	BAN106302	22%	80.8%	84.9%
ECO101468	BFU107652	24%	43.6%	41.5%
ECO101468	BMA110009	25%	43.6%	39.6%
ECO101468	CAC100511	30%	43.1%	32.4%
ECO101468	CBO101042	24%	81.5%	68.4%
ECO101468	CDF100503	25%	82.6%	69.3%
ECO101468	EFM200472	30%	93.1%	95.0%
ECO101468	ECO101468	100%	100%	100%
ECO101468	PMU100600	45%	92.6%	95.0%
ECO101468	PAE200510	21%	81.0%	81.7%
ECO101468	YPS000797	65%	98.2%	97.7%
ECO101475	BFU103224	31%	89.8%	44.5%
ECO101475	ECO101475	100%	100%	100%
ECO101476	BFR100408	21%	45.0%	25.7%
ECO101476	EFM103220	44%	12.6%	28.7%
ECO101476	ECO101476	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101480	BAN100201	29%	21.5%	10.3%
ECO101480	CDF100113	68%	6.9%	100%
ECO101480	ECO101480	100%	100%	100%
ECO101480	NGO100287	28%	69.7%	99.0%
ECO101480	NME202012	31%	68.9%	48.6%
ECO101480	NME201584	28%	69.7%	48.4%
ECO101480	PMU101717	35%	96.6%	48.8%
ECO101480	SPA104198	46%	99.4%	65.4%
ECO101480	STM100045	46%	99.4%	52.8%
ECO101480	YPS001070	47%	99.8%	11.8%
ECO101482	BAN101903	43%	19.8%	100%
ECO101482	BAN103207	48%	90.4%	98.0%
ECO101482	BAN113148	53%	97.4%	100%
ECO101482	EBC102576	78%	87.4%	89.9%
ECO101482	ECO101482	100%	100%	100%
ECO101482	KPN303693	79%	84.7%	86.5%
ECO101482	PMU101272	71%	98.3%	99.8%
ECO101482	SPA102584	84%	66.6%	100%
ECO101482	STY103182	83%	100%	100%
ECO101482	TPA100292	30%	20.4%	25.8%
ECO101482	YPS000064	78%	100%	100%
ECO101485	BAN104164	43%	87.4%	97.4%
ECO101485	BAN100431	45%	87.4%	94.3%
ECO101485	BFU112884	35%	92.1%	90.9%
ECO101485	EBC103772	67%	90.4%	99.7%
ECO101485	ECO101485	100%	100%	100%
ECO101485	KPN305506	45%	12.3%	76.1%
ECO101485	KPN300172	56%	31.6%	93.5%
ECO101485	KPN300355	61%	38.9%	89.3%
ECO101485	KPN308245	67%	94.2%	100%
ECO101485	MCA101148	26%	59.9%	70.0%
ECO101485	MBV101598	24%	72.2%	26.0%
ECO101485	PMU101275	67%	94.7%	97.6%
ECO101485	SPA101836	83%	100%	100%
ECO101485	STY103163	83%	100%	100%
ECO101485	STM101620	83%	100%	100%
ECO101485	SPN200508	28%	73.4%	89.2%
ECO101485	SPY200769	23%	64.6%	78.2%
ECO101485	YPS000060	75%	99.7%	99.7%
ECO101498	ABA104052	34%	24.0%	34.5%
ECO101498	CPN300253	30%	18.3%	40.8%
ECO101498	ECO101498	100%	100%	100%
ECO101499	ABA103825	31%	93.7%	91.6%
ECO101499	CAC101460	25%	93.7%	95.2%
ECO101499	EBC100447	87%	70.2%	99.6%
ECO101499	ECO101499	100%	100%	100%
ECO101499	HIN100128	51%	91.9%	91.9%
ECO101499	HPY101168	50%	95.7%	96.9%
ECO101499	KPN302890	33%	90.7%	86.4%
ECO101499	KPN302908	81%	99.2%	98.5%
ECO101499	MAV104012	28%	91.4%	89.6%
ECO101499	MBV102693	28%	88.9%	91.4%
ECO101499	MTU200190	28%	88.9%	87.2%
ECO101499	NGO102033	50%	92.4%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101499	PMU100949	53%	95.2%	93.3%
ECO101499	PRT105535	63%	98.0%	95.1%
ECO101499	PAE204110	58%	99.0%	99.0%
ECO101499	PPU103772	58%	95.2%	94.5%
ECO101499	PSY104435	60%	92.7%	90.2%
ECO101499	SPA103066	87%	99.5%	100%
ECO101499	STY104274	88%	99.5%	99.5%
ECO101499	SAU802452	26%	92.4%	94.9%
ECO101499	SPN203024	32%	23.2%	38.7%
ECO101500	BPT102646	29%	94.1%	82.5%
ECO101500	EBC101127	87%	100%	100%
ECO101500	ECO101500	100%	100%	100%
ECO101500	KPN300463	84%	62.4%	100%
ECO101500	KPN302911	84%	100%	99.5%
ECO101500	PRT103903	64%	96.4%	86.9%
ECO101500	PAE205200	51%	98.2%	94.0%
ECO101500	SPA103077	91%	100%	100%
ECO101500	STY104276	91%	100%	100%
ECO101500	STM100262	91%	100%	100%
ECO101500	YPS003072	74%	99.5%	96.5%
ECO101505	BAN103144	25%	89.9%	87.9%
ECO101505	EBC101122	67%	85.1%	100%
ECO101505	ECO101505	100%	100%	100%
ECO101505	KPN302924	71%	98.5%	97.7%
ECO101505	LPN102440	18%	94.9%	95.2%
ECO101505	LPN100524	19%	95.2%	92.8%
ECO101505	LMO101074	23%	92.9%	93.3%
ECO101505	PRT101718	60%	95.7%	96.2%
ECO101505	PAE201211	21%	95.2%	93.4%
ECO101505	PPU104566	32%	94.7%	95.9%
ECO101505	PSY104789	21%	85.1%	81.3%
ECO101505	SPA103073	68%	38.2%	100%
ECO101505	STY104286	76%	100%	100%
ECO101505	SAU800178	23%	92.9%	94.2%
ECO101505	SEP202208	19%	87.8%	90.1%
ECO101505	VCH103690	23%	92.2%	85.0%
ECO101505	YPS002313	38%	94.2%	96.2%
ECO101506	ABA100836	33%	53.4%	39.0%
ECO101506	ABA104797	34%	57.4%	55.3%
ECO101506	ECO101506	100%	100%	100%
ECO101506	MAV102284	33%	54.7%	45.4%
ECO101513	BMA101585	44%	85.6%	83.1%
ECO101513	EBC103255	80%	99.6%	99.4%
ECO101513	EFM201843	26%	93.0%	89.2%
ECO101513	ECO101513	100%	100%	100%
ECO101513	KPN304564	78%	99.2%	99.0%
ECO101513	MAV105552	38%	97.9%	92.0%
ECO101513	SPA102280	79%	99.6%	99.6%
ECO101513	STY104302	81%	99.6%	99.2%
ECO101513	STM100236	81%	99.6%	99.2%
ECO101515	ECO101346	98%	100%	100%
ECO101515	ECO101515	100%	100%	100%
ECO101524	BPT106030	31%	92.7%	92.4%
ECO101524	ECO101524	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101524	PPU111952	28%	77.6%	75.9%
ECO101524	PPU109160	30%	81.2%	76.1%
ECO101524	PSY103499	30%	90.9%	86.0%
ECO101524	PSY104398	29%	89.1%	88.8%
ECO101524	PSY108879	29%	92.7%	91.2%
ECO101524	STY102996	66%	92.7%	85.5%
ECO101525	ECO101525	100%	100%	100%
ECO101525	KPN300756	76%	95.5%	96.0%
ECO101526	ECO101526	100%	100%	100%
ECO101526	LPN102896	22%	84.5%	8.6%
ECO101528	ECO101528	100%	100%	100%
ECO101539	ECO101539	100%	100%	100%
ECO101539	MPN100067	29%	45.8%	43.6%
ECO101540	ECO101540	100%	100%	100%
ECO101567	ABA105948	30%	72.1%	66.7%
ECO101567	BCE110976	34%	70.3%	87.0%
ECO101567	EBC107569	51%	91.9%	100%
ECO101567	ECO101567	100%	100%	100%
ECO101567	KPN307669	63%	91.0%	83.5%
ECO101567	MCA102058	37%	53.2%	31.0%
ECO101567	MBV100531	32%	71.2%	24.2%
ECO101567	MTU202117	32%	71.2%	24.2%
ECO101567	SPA105667	55%	91.9%	100%
ECO101567	STY105056	56%	99.1%	97.8%
ECO101567	STM102133	30%	82.9%	12.5%
ECO101567	YPS004039	52%	91.9%	100%
ECO101568	EBC103462	78%	99.3%	99.3%
ECO101568	EFA200509	22%	79.5%	73.2%
ECO101568	ECO101568	100%	100%	100%
ECO101568	KPN306333	74%	99.3%	99.3%
ECO101568	NME201346	37%	12.8%	11.3%
ECO101568	PSY103969	33%	13.9%	9.4%
ECO101568	SPA101240	77%	99.6%	100%
ECO101568	STY104356	77%	99.6%	99.6%
ECO101568	YPS001910	62%	96.0%	93.5%
ECO101575	ABA103948	53%	94.3%	99.1%
ECO101575	BAN103387	39%	99.3%	98.7%
ECO101575	BAN103848	40%	99.8%	98.1%
ECO101575	BFU104892	47%	98.3%	98.1%
ECO101575	BMA104571	45%	98.9%	91.3%
ECO101575	CPN200806	40%	97.8%	96.3%
ECO101575	CTR200643	40%	98.5%	96.1%
ECO101575	CBO103715	34%	97.4%	96.6%
ECO101575	CDP100879	36%	96.1%	92.8%
ECO101575	EBC102507	85%	50.2%	100%
ECO101575	EFM202049	32%	99.8%	97.9%
ECO101575	EFM200706	34%	99.6%	98.1%
ECO101575	ECO101575	100%	100%	100%
ECO101575	KPN300202	86%	33.5%	85.6%
ECO101575	KPN305499	88%	100%	100%
ECO101575	PMU100162	52%	98.7%	97.4%
ECO101575	PRT103781	69%	99.8%	99.6%
ECO101575	PAE201193	45%	98.9%	97.0%
ECO101575	PPU109535	45%	99.1%	97.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101575	SPA103436	91%	99.6%	100%
ECO101575	STY100523	92%	100%	100%
ECO101575	SAU802633	42%	98.0%	96.0%
ECO101575	SEP201754	41%	93.3%	93.6%
ECO101575	SHA101613	42%	97.6%	95.6%
ECO101575	VCH100428	56%	99.6%	98.9%
ECO101575	YPS001880	75%	99.8%	99.8%
ECO101583	BFR11487	29%	29.7%	41.5%
ECO101583	BBU100406	32%	96.4%	94.9%
ECO101583	CAC102434	23%	34.8%	16.9%
ECO101583	CBO103509	29%	98.7%	93.6%
ECO101583	CDF100717	29%	26.6%	29.9%
ECO101583	CDP100913	37%	98.2%	98.7%
ECO101583	EBC102499	85%	90.8%	99.7%
ECO101583	EFA201620	34%	25.6%	31.0%
ECO101583	EFM200644	32%	25.6%	31.6%
ECO101583	ECO101583	100%	100%	100%
ECO101583	KPN304521	80%	100%	100%
ECO101583	LMO100517	29%	25.3%	29.6%
ECO101583	MAV101383	38%	97.4%	97.1%
ECO101583	MBV104868	37%	99.2%	98.5%
ECO101583	MLP100466	38%	96.2%	95.9%
ECO101583	MTU203212	37%	99.2%	98.5%
ECO101583	PMU100829	35%	95.1%	94.8%
ECO101583	SPA101151	84%	100%	100%
ECO101583	STY100543	86%	100%	100%
ECO101583	SAU802143	32%	22.8%	26.6%
ECO101583	SEP201764	34%	25.6%	31.3%
ECO101583	SHA101234	34%	18.4%	22.3%
ECO101583	SMU101180	33%	24.6%	30.4%
ECO101583	SPN400647	30%	25.8%	32.2%
ECO101583	SPY201392	29%	26.9%	33.1%
ECO101583	VCH100266	46%	98.2%	96.7%
ECO101583	VCH101797	48%	98.7%	99.7%
ECO101583	YPS001750	70%	99.5%	99.5%
ECO101591	BBU100644	40%	97.0%	98.8%
ECO101591	CBO103697	39%	97.7%	98.6%
ECO101591	CDF100635	46%	97.7%	99.4%
ECO101591	EBC102299	44%	87.2%	99.1%
ECO101591	EFA200635	57%	97.0%	97.9%
ECO101591	EFM201316	36%	96.4%	98.4%
ECO101591	ECO101591	100%	100%	100%
ECO101591	KPN304517	86%	19.4%	100%
ECO101591	KPN304985	89%	100%	100%
ECO101591	PMU101752	40%	87.5%	98.2%
ECO101591	PRT105483	34%	95.7%	97.1%
ECO101591	SAU800242	41%	97.4%	99.2%
ECO101591	SPN401527	40%	96.4%	97.5%
ECO101613	BCE110619	42%	78.2%	86.6%
ECO101613	EBC100663	66%	100%	100%
ECO101613	ECO101613	100%	100%	100%
ECO101613	KPN301024	76%	100%	100%
ECO101613	PAE201229	28%	73.1%	81.5%
ECO101613	SPA102319	76%	100%	97.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101613	STY100591	76%	100%	100%
ECO101614	ABA100405	33%	93.6%	97.0%
ECO101614	BCE101176	42%	93.6%	89.1%
ECO101614	BCE115062	45%	93.6%	95.9%
ECO101614	BFU107135	46%	94.6%	97.3%
ECO101614	BMA104937	45%	93.6%	95.2%
ECO101614	EBC100664	77%	85.3%	99.2%
ECO101614	ECO101614	100%	100%	100%
ECO101614	KPN301023	64%	94.3%	99.3%
ECO101614	PAE203302	43%	93.3%	97.9%
ECO101614	PPU103467	45%	93.0%	96.2%
ECO101614	PSY101352	56%	13.0%	88.6%
ECO101614	PSY101350	45%	93.6%	97.6%
ECO101614	SPA102318	84%	95.3%	86.4%
ECO101614	STY100593	84%	96.3%	99.7%
ECO101623	BCE100945	40%	41.9%	84.9%
ECO101623	BFU111464	31%	94.8%	95.2%
ECO101623	BMA100071	39%	57.7%	85.4%
ECO101623	CDP100089	46%	94.7%	99.3%
ECO101623	ECO101623	100%	100%	100%
ECO101623	KPN207289	39%	4.0%	68.8%
ECO101623	KPN201518	25%	38.0%	72.5%
ECO101623	MAV101236	55%	59.5%	99.3%
ECO101623	MBV104588	47%	94.8%	99.5%
ECO101623	MLP100829	21%	24.5%	42.2%
ECO101623	MTU203253	47%	98.9%	99.1%
ECO101623	PAE203270	32%	95.0%	97.3%
ECO101623	PPU101466	31%	93.2%	95.7%
ECO101623	PSY100837	27%	55.1%	94.6%
ECO101628	CAC102213	33%	96.5%	97.6%
ECO101628	EBC100562	93%	72.1%	99.6%
ECO101628	EFA202357	31%	90.6%	92.2%
ECO101628	EFM101435	33%	97.1%	99.1%
ECO101628	ECO101628	100%	100%	100%
ECO101628	HIN101601	55%	97.1%	98.8%
ECO101628	KPN300879	93%	60.7%	95.4%
ECO101628	MBV100614	26%	78.9%	90.9%
ECO101628	MTU203523	27%	89.4%	90.3%
ECO101628	PMU100547	57%	97.1%	98.8%
ECO101628	PRT100632	81%	100%	100%
ECO101628	PPU103881	44%	99.7%	100%
ECO101628	PSY102604	44%	97.4%	97.6%
ECO101628	SPA101415	94%	91.2%	100%
ECO101628	STY100617	95%	100%	100%
ECO101628	SMU101203	29%	97.1%	99.7%
ECO101628	VCH101693	51%	97.7%	98.8%
ECO101628	YPS002950	82%	100%	100%
ECO101635	BAN106226	47%	92.1%	85.3%
ECO101635	BAN102708	46%	96.0%	94.2%
ECO101635	ECO101635	100%	100%	100%
ECO101635	SPA100886	66%	97.0%	83.1%
ECO101635	STY101449	65%	97.0%	95.1%
ECO101635	YPS001944	50%	99.0%	100%
ECO101637	BFR10242	27%	32.2%	41.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101637	BPT104008	33%	25.2%	18.5%
ECO101637	CAC101067	23%	48.5%	10.2%
ECO101637	ECO101637	100%	100%	100%
ECO101637	PRT105079	34%	97.8%	93.2%
ECO101656	ABA104107	28%	93.2%	93.3%
ECO101656	BPT104814	27%	92.7%	95.3%
ECO101656	BCE104286	27%	91.4%	92.9%
ECO101656	BFU112633	31%	90.8%	91.6%
ECO101656	BMA103873	29%	90.3%	94.7%
ECO101656	EBC101891	83%	94.3%	99.4%
ECO101656	ECO101656	100%	100%	100%
ECO101656	KPN303003	78%	100%	100%
ECO101656	MCA101759	29%	91.4%	87.2%
ECO101656	PRT102242	56%	97.0%	97.6%
ECO101656	PAE201624	33%	92.7%	97.2%
ECO101656	PPU106275	35%	89.5%	95.1%
ECO101656	PSY105020	36%	90.3%	96.0%
ECO101656	SPA103730	90%	64.3%	99.2%
ECO101656	STY101075	88%	100%	99.5%
ECO101656	VCH100612	26%	91.9%	95.6%
ECO101656	YPS002998	63%	96.5%	97.5%
ECO101669	BFR10371	29%	92.6%	96.6%
ECO101669	BPT100702	28%	89.4%	96.6%
ECO101669	BCE100738	31%	86.7%	93.9%
ECO101669	BFU100216	32%	91.3%	93.4%
ECO101669	ECO101669	100%	100%	100%
ECO101669	MAV105805	27%	89.0%	97.0%
ECO101669	MAV100637	27%	90.3%	98.2%
ECO101669	MAV101497	33%	88.5%	97.6%
ECO101669	MAV101780	32%	93.1%	97.9%
ECO101669	MAV100482	33%	92.4%	96.1%
ECO101669	MAV102258	35%	92.4%	96.8%
ECO101669	MBV101174	32%	86.4%	89.6%
ECO101669	MLP101504	29%	90.5%	91.1%
ECO101669	MTU202468	32%	86.4%	89.6%
ECO101669	SPN400966	23%	59.4%	73.2%
ECO101671	ABA104295	46%	97.5%	96.8%
ECO101671	BAN100578	26%	96.0%	100%
ECO101671	BAN112243	27%	96.8%	97.0%
ECO101671	BPT101147	47%	97.5%	97.8%
ECO101671	BCE112791	46%	97.1%	69.7%
ECO101671	BFU105739	46%	97.1%	98.5%
ECO101671	BMA108973	45%	97.1%	98.5%
ECO101671	CBO100467	27%	93.9%	95.9%
ECO101671	CDF100604	28%	94.6%	92.9%
ECO101671	EBC100597	91%	100%	100%
ECO101671	EFA202131	28%	92.1%	93.7%
ECO101671	EFA200379	32%	97.1%	93.3%
ECO101671	ECO101671	100%	100%	100%
ECO101671	KPN303005	91%	100%	100%
ECO101671	LPN102482	49%	97.5%	99.3%
ECO101671	LMO101177	28%	94.9%	94.9%
ECO101671	MCA103646	47%	97.5%	93.4%
ECO101671	NGO100762	47%	97.1%	98.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101671	NME200764	47%	97.1%	98.2%
ECO101671	PRT102244	71%	98.6%	94.8%
ECO101671	PAE201768	49%	97.1%	97.8%
ECO101671	PPU101850	50%	97.1%	98.5%
ECO101671	PSY105558	51%	79.8%	97.8%
ECO101671	SPA101612	97%	100%	100%
ECO101671	STY101082	97%	100%	100%
ECO101671	SAU801563	24%	93.5%	94.9%
ECO101671	SEP201637	28%	94.6%	95.6%
ECO101671	SHA100874	26%	92.1%	91.7%
ECO101671	VCH103704	50%	97.8%	97.5%
ECO101671	YPS003004	80%	98.6%	100%
ECO101675	EBC102496	47%	100%	99.6%
ECO101675	ECO101675	100%	100%	100%
ECO101675	SPA100008	49%	94.1%	100%
ECO101675	STY101099	52%	98.3%	98.3%
ECO101675	STM103463	52%	98.3%	98.3%
ECO101679	BPT102451	41%	97.5%	96.2%
ECO101679	BCE104877	37%	82.8%	78.9%
ECO101679	BFU114351	35%	95.1%	89.1%
ECO101679	BMA102774	38%	96.6%	90.3%
ECO101679	CJU101521	31%	95.4%	95.7%
ECO101679	CPN200459	27%	22.1%	7.7%
ECO101679	CAC100433	32%	95.1%	95.0%
ECO101679	CBO103820	32%	83.7%	77.4%
ECO101679	CBO102965	30%	94.5%	97.0%
ECO101679	CBO103219	36%	84.4%	75.8%
ECO101679	CDF101617	34%	83.4%	81.5%
ECO101679	CDP100773	35%	95.7%	92.3%
ECO101679	EBC102490	75%	100%	100%
ECO101679	ECO101679	100%	100%	100%
ECO101679	HIN101440	33%	95.4%	95.8%
ECO101679	KPN301694	83%	99.4%	98.8%
ECO101679	NGO100092	31%	95.7%	95.7%
ECO101679	NME200420	33%	95.7%	95.7%
ECO101679	PMU101148	36%	86.8%	83.2%
ECO101679	PRT101302	53%	98.2%	93.3%
ECO101679	PAE204703	47%	85.0%	87.5%
ECO101679	PPU100241	41%	94.2%	95.9%
ECO101679	SPA101351	89%	100%	100%
ECO101679	STY101110	91%	100%	100%
ECO101679	STM103452	91%	100%	100%
ECO101679	VCH101225	47%	97.5%	96.1%
ECO101679	YPS003045	68%	99.1%	97.0%
ECO101684	ABA102501	81%	100%	99.2%
ECO101684	BAN104202	39%	96.6%	95.8%
ECO101684	BAN110178	57%	96.6%	96.6%
ECO101684	BFR104064	56%	98.3%	100%
ECO101684	BPT100292	67%	100%	99.2%
ECO101684	BBU100187	47%	93.2%	95.7%
ECO101684	BCE102715	70%	100%	99.2%
ECO101684	BFU102443	71%	100%	99.2%
ECO101684	BMA107401	70%	100%	99.2%
ECO101684	CJU100217	58%	99.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101684	CPN200847	43%	99.2%	96.7%
ECO101684	CTR200218	44%	99.2%	95.1%
ECO101684	CAC101951	59%	96.6%	95.8%
ECO101684	CDF102735	56%	100%	100%
ECO101684	CDP100976	58%	99.2%	92.1%
ECO101684	EBC102984	100%	100%	100%
ECO101684	EFA200358	60%	100%	99.2%
ECO101684	EFM201307	60%	100%	99.2%
ECO101684	ECO101684	100%	100%	100%
ECO101684	HIN101286	95%	99.2%	100%
ECO101684	HPY100124	50%	97.5%	99.1%
ECO101684	KPN301692	99%	100%	100%
ECO101684	LPN101410	79%	100%	99.2%
ECO101684	LMO100743	60%	100%	99.2%
ECO101684	MAV106548	60%	99.2%	89.3%
ECO101684	MBV101274	60%	99.2%	90.7%
ECO101684	MLP100866	58%	99.2%	90.7%
ECO101684	MTU201622	60%	99.2%	90.7%
ECO101684	MGE100200	49%	94.9%	90.3%
ECO101684	MPN100037	52%	95.8%	89.0%
ECO101684	NGO101855	79%	100%	99.2%
ECO101684	NME200857	79%	100%	99.2%
ECO101684	PMU100604	96%	99.2%	100%
ECO101684	PRT101306	92%	100%	100%
ECO101684	PAE202739	83%	100%	100%
ECO101684	PPU111376	82%	100%	100%
ECO101684	PSY109131	83%	100%	100%
ECO101684	SPA100657	100%	95.8%	94.2%
ECO101684	STY101118	100%	100%	100%
ECO101684	STM103448	100%	100%	100%
ECO101684	SAU801678	61%	99.2%	99.2%
ECO101684	SEP201662	62%	99.2%	99.2%
ECO101684	SHA100082	61%	99.2%	99.2%
ECO101684	SMU100912	60%	99.2%	98.3%
ECO101684	SPN400863	62%	99.2%	98.3%
ECO101684	SPY200598	61%	99.2%	98.3%
ECO101684	TPA100839	45%	89.0%	86.1%
ECO101684	UUR100231	49%	93.2%	96.7%
ECO101684	VCH103020	89%	99.2%	100%
ECO101684	YPS003061	97%	100%	100%
ECO101685	ABA102503	56%	98.5%	85.1%
ECO101685	BAN113355	59%	83.1%	81.8%
ECO101685	BAN109536	59%	83.1%	81.8%
ECO101685	BFR104500	61%	67.7%	69.8%
ECO101685	BPT100293	52%	100%	100%
ECO101685	BBU100188	46%	95.4%	93.9%
ECO101685	BCE106262	51%	95.4%	100%
ECO101685	BFU102444	51%	95.4%	100%
ECO101685	BMA105698	53%	100%	100%
ECO101685	CJU100216	55%	69.2%	69.8%
ECO101685	CPN200848	40%	87.7%	89.1%
ECO101685	CTR200217	38%	87.7%	89.1%
ECO101685	CAC101588	51%	98.5%	98.5%
ECO101685	CBO102406	51%	98.5%	98.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101685	CDF104095	54%	98.5%	100%
ECO101685	CDP100973	46%	80%	81.2%
ECO101685	EBC102982	92%	100%	100%
ECO101685	EFA203061	51%	83.1%	81.8%
ECO101685	EFM202134	55%	83.1%	81.8%
ECO101685	ECO101685	100%	100%	100%
ECO101685	HIN101285	78%	100%	73.0%
ECO101685	HPY100123	56%	67.7%	67.2%
ECO101685	KPN301691	100%	100%	100%
ECO101685	LPN101798	61%	72.3%	75.8%
ECO101685	LMO101064	55%	83.1%	81.8%
ECO101685	MAV106547	46%	83.1%	84.4%
ECO101685	MBV101273	41%	95.4%	96.9%
ECO101685	MLP100865	44%	83.1%	84.4%
ECO101685	MTU201621	41%	95.4%	96.9%
ECO101685	MGE100199	50%	80%	88.1%
ECO101685	MPN100038	47%	78.5%	86.4%
ECO101685	NGO101853	58%	100%	100%
ECO101685	NME200856	58%	100%	100%
ECO101685	PMU100603	78%	100%	100%
ECO101685	PRT103408	89%	100%	100%
ECO101685	PAE202740	63%	89.2%	89.1%
ECO101685	PPU103712	58%	89.2%	82.6%
ECO101685	PSY107471	56%	89.2%	89.1%
ECO101685	SPA100656	100%	100%	100%
ECO101685	STY101126	100%	100%	100%
ECO101685	STM103447	100%	100%	100%
ECO101685	SAU801679	48%	98.5%	97.0%
ECO101685	SEP201663	50%	98.5%	97.0%
ECO101685	SHA100081	50%	98.5%	97.0%
ECO101685	SMU100910	51%	83.1%	81.8%
ECO101685	SPN400862	48%	95.4%	93.9%
ECO101685	SPY200597	51%	83.1%	83.1%
ECO101685	TPA100840	57%	100%	100%
ECO101685	UUR100230	44%	89.2%	90.6%
ECO101685	VCH103019	61%	100%	100%
ECO101685	YPS003064	89%	100%	100%
ECO101686	ABA102498	61%	62.8%	100%
ECO101686	BAN104142	51%	90.6%	94.7%
ECO101686	BAN107901	53%	90.6%	83.1%
ECO101686	BFR100214	49%	92.8%	83.3%
ECO101686	BPT101959	71%	86.7%	94.5%
ECO101686	BBU100189	44%	92.8%	89.2%
ECO101686	BCE106172	69%	87.2%	100%
ECO101686	BFU107897	66%	87.2%	100%
ECO101686	BMA109299	68%	87.2%	100%
ECO101686	CJU100195	43%	91.1%	94.8%
ECO101686	CPN200849	47%	92.8%	91.9%
ECO101686	CTR200216	47%	92.8%	91.9%
ECO101686	CAC103337	47%	91.1%	93.1%
ECO101686	CBO100172	50%	91.1%	88.6%
ECO101686	CDF100791	48%	77.2%	97.9%
ECO101686	CDP100970	49%	81.1%	98.0%
ECO101686	EBC102980	95%	80%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101686	EFA200363	48%	93.3%	96.5%
ECO101686	EFM200354	44%	47.2%	94.4%
ECO101686	ECO101686	100%	100%	100%
ECO101686	HIN101284	83%	74.4%	99.3%
ECO101686	HPY100122	42%	92.2%	81.3%
ECO101686	KPN301690	97%	80%	100%
ECO101686	LMO102427	50%	90%	94.2%
ECO101686	MCA103235	56%	81.7%	100%
ECO101686	MAV106545	47%	77.8%	80.3%
ECO101686	MBV103903	45%	85%	82.6%
ECO101686	MLP100864	45%	85%	82.2%
ECO101686	MTU201620	46%	91.7%	81.6%
ECO101686	MGE100198	29%	78.3%	75.7%
ECO101686	MPN100039	30%	99.4%	89.1%
ECO101686	NGO101851	66%	86.7%	100%
ECO101686	NME200855	66%	93.9%	97.1%
ECO101686	PMU100602	81%	83.3%	97.4%
ECO101686	PRT100107	88%	62.2%	100%
ECO101686	PAE202741	64%	100%	96.7%
ECO101686	PPU111378	63%	100%	96.7%
ECO101686	PSY102598	64%	100%	100%
ECO101686	SPA100655	97%	100%	100%
ECO101686	STY101129	98%	100%	100%
ECO101686	STM103446	100%	80%	100%
ECO101686	SAU801680	53%	90.6%	94.2%
ECO101686	SEP201664	53%	90.6%	92.6%
ECO101686	SMU100907	51%	90%	80.5%
ECO101686	SPN400861	53%	90%	82.6%
ECO101686	SPY200596	51%	90%	91.5%
ECO101686	TPA100841	45%	92.8%	92.7%
ECO101686	UUR100229	31%	94.4%	96.6%
ECO101686	YPS003067	89%	100%	100%
ECO101687	ABA102500	63%	98.9%	99.1%
ECO101687	BAN104316	43%	98.4%	99.5%
ECO101687	BAN100978	46%	98.4%	98.7%
ECO101687	BFR103141	41%	79.4%	99.2%
ECO101687	BPT101956	56%	98.9%	98.5%
ECO101687	BBU100719	42%	88.2%	97.6%
ECO101687	BCE105528	58%	98.8%	99.7%
ECO101687	BFU105096	58%	98.8%	97.7%
ECO101687	BMA106934	59%	98.8%	99.7%
ECO101687	CJU100194	42%	93.8%	99.2%
ECO101687	CPN201046	40%	91.0%	91.5%
ECO101687	CTR200859	40%	95.6%	96.5%
ECO101687	CAC102528	48%	98.4%	98.9%
ECO101687	CBO100249	48%	98.6%	95.0%
ECO101687	CDF102396	48%	98.4%	93.2%
ECO101687	CDP100262	38%	93.6%	92.1%
ECO101687	EBC102990	94%	100%	100%
ECO101687	EFA200266	41%	98.6%	99.2%
ECO101687	EFM200127	41%	98.6%	99.1%
ECO101687	ECO101687	100%	100%	100%
ECO101687	HIN101333	78%	100%	99.8%
ECO101687	HPY100121	42%	88.6%	92.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101687	KPN300773	94%	96.9%	100%
ECO101687	LPN100924	57%	94.5%	99.7%
ECO101687	LMO102823	42%	98.0%	99.2%
ECO101687	MCA103158	63%	98.9%	99.2%
ECO101687	MAV102514	39%	94.7%	93.1%
ECO101687	MBV100785	40%	88.6%	85.7%
ECO101687	MLP100282	40%	88.6%	85.0%
ECO101687	MTU202577	40%	88.6%	86.3%
ECO101687	MGE100386	29%	86.3%	99.6%
ECO101687	MPN100289	28%	86.3%	98.8%
ECO101687	NGO101849	61%	98.0%	96.8%
ECO101687	NME200854	62%	98.0%	98.4%
ECO101687	PMU100593	79%	100%	99.8%
ECO101687	PRT105628	84%	100%	100%
ECO101687	PAE202742	65%	99.8%	100%
ECO101687	PPU103710	65%	99.8%	100%
ECO101687	PSY102599	65%	99.8%	100%
ECO101687	SPA100654	92%	77.3%	100%
ECO101687	STY101132	97%	100%	100%
ECO101687	STM103445	96%	100%	100%
ECO101687	SAU801683	43%	98.1%	98.4%
ECO101687	SEP201666	42%	98.1%	98.4%
ECO101687	SHA102097	45%	98.8%	97.5%
ECO101687	SMU101079	40%	98.6%	98.6%
ECO101687	SPN401471	41%	98.6%	97.0%
ECO101687	SPY200371	41%	98.6%	98.6%
ECO101687	TPA100828	48%	89.6%	97.5%
ECO101687	UUR100540	36%	87.7%	98.3%
ECO101687	VCH103018	75%	100%	100%
ECO101687	YPS003070	88%	100%	100%
ECO101688	ECO101688	100%	100%	100%
ECO101689	ECO103911	29%	97.7%	76.2%
ECO101689	ECO101689	100%	100%	100%
ECO101689	YPS000041	34%	30.8%	38.5%
ECO101689	YPS001066	29%	55.2%	54.6%
ECO101698	ECO101698	100%	100%	100%
ECO101700	ABA103947	58%	90.6%	96.9%
ECO101700	BAN112207	51%	72.9%	81.5%
ECO101700	BAN103415	54%	90.7%	99.8%
ECO101700	BFR12345	43%	65.5%	99.0%
ECO101700	BPT102828	42%	64.9%	92.3%
ECO101700	BCE114338	42%	11.6%	88.7%
ECO101700	BCE109764	43%	56.6%	82.5%
ECO101700	BFU104726	56%	96.3%	100%
ECO101700	BMA109166	47%	51.1%	74.7%
ECO101700	CJU101309	45%	57.1%	88.0%
ECO101700	EBC102119	86%	98.5%	99.1%
ECO101700	EFA201830	44%	64.4%	98.5%
ECO101700	ECO101700	100%	100%	100%
ECO101700	HIN100907	41%	64.9%	93.9%
ECO101700	HPY100862	43%	64.0%	94.1%
ECO101700	KPN302795	81%	99.1%	99.2%
ECO101700	LMO102038	44%	64.9%	97.5%
ECO101700	MCA101882	40%	64.9%	94.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101700	MAV104721	50%	92.3%	96.9%
ECO101700	NGO100702	41%	65.2%	95.0%
ECO101700	NME200047	42%	65.2%	95.0%
ECO101700	PMU100032	42%	64.1%	97.1%
ECO101700	PRT101830	40%	64.9%	96.2%
ECO101700	PAE202145	59%	91.9%	96.8%
ECO101700	PPU100583	58%	94.2%	99.9%
ECO101700	PSY101358	58%	76.4%	100%
ECO101700	SPA101365	89%	88.8%	100%
ECO101700	STY101168	88%	99.6%	99.7%
ECO101700	SAU801334	39%	65.3%	95.7%
ECO101700	SEP201991	38%	65.3%	96.2%
ECO101700	VCH101561	39%	64.7%	83.1%
ECO101700	YPS000256	42%	65.1%	99.4%
ECO101711	BCE113211	29%	48.4%	31.0%
ECO101711	BFU115576	21%	88.2%	71.8%
ECO101711	BMA101083	20%	80.1%	67.5%
ECO101711	EBC102266	81%	100%	100%
ECO101711	ECO101711	100%	100%	100%
ECO101711	KPN302804	81%	100%	100%
ECO101711	LPN101454	27%	56.5%	69.1%
ECO101711	NGO100202	28%	78.9%	84.0%
ECO101711	NME201292	27%	78.9%	84.0%
ECO101711	PAE203203	34%	90.1%	86.3%
ECO101711	PSY103109	29%	93.8%	89.0%
ECO101711	SPA103118	85%	100%	100%
ECO101711	STY101200	88%	100%	100%
ECO101711	STM103422	89%	100%	100%
ECO101712	ABA104594	44%	98.8%	98.8%
ECO101712	BPT103254	26%	19.6%	19.8%
ECO101712	BCE114029	43%	92.2%	98.1%
ECO101712	BFU112337	46%	98.8%	92.9%
ECO101712	BMA102153	47%	98.8%	92.8%
ECO101712	EBC102265	63%	100%	100%
ECO101712	ECO101712	100%	100%	100%
ECO101712	KPN302783	63%	100%	100%
ECO101712	PAE200900	38%	98.8%	97.6%
ECO101712	PPU101071	38%	98.8%	96.4%
ECO101712	PSY103122	39%	98.8%	96.4%
ECO101712	SPA103117	69%	99.7%	100%
ECO101712	STY101202	70%	99.7%	99.7%
ECO101712	STM103421	70%	99.7%	99.7%
ECO101712	VCH101223	34%	99.4%	94.4%
ECO101712	YPS002643	49%	99.7%	97.6%
ECO101714	ABA105742	68%	98.2%	98.8%
ECO101714	BCE107495	57%	98.4%	99.4%
ECO101714	BFU112434	56%	98.4%	99.0%
ECO101714	BMA105262	55%	98.4%	99.4%
ECO101714	EBC102263	79%	99.8%	52.7%
ECO101714	ECO101714	100%	100%	100%
ECO101714	KPN302790	77%	98.8%	98.8%
ECO101714	LPN101241	50%	97.8%	97.0%
ECO101714	PAE200897	62%	98.2%	99.0%
ECO101714	PPU106933	60%	98.2%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101714	PSY103136	60%	98.8%	99.4%
ECO101714	SPA100702	82%	98.6%	100%
ECO101714	STY101206	82%	87.0%	100%
ECO101714	STM103417	83%	99.0%	99.0%
ECO101714	VCH102579	57%	98.6%	99.8%
ECO101714	YPS002625	65%	98.4%	95.8%
ECO101729	ABA105584	71%	98.7%	95.7%
ECO101729	BAN113279	29%	88.1%	89.1%
ECO101729	BAN112245	31%	84.1%	96.8%
ECO101729	BFR11684	56%	98.9%	99.8%
ECO101729	BFR102226	59%	97.8%	98.6%
ECO101729	BPT102499	72%	98.7%	95.3%
ECO101729	BCE100574	34%	79.6%	81.1%
ECO101729	BFU102258	23%	67.1%	85.4%
ECO101729	BMA107852	34%	65.1%	87.3%
ECO101729	CPN200930	20%	70.9%	82.1%
ECO101729	CAC103455	54%	98.2%	99.1%
ECO101729	CBO101019	32%	88.8%	89.7%
ECO101729	CDF101512	32%	88.8%	93.1%
ECO101729	CDP101183	59%	98.7%	98.4%
ECO101729	EBC101589	91%	98.9%	100%
ECO101729	EFA202330	55%	100%	100%
ECO101729	EFM200836	39%	13.0%	82.9%
ECO101729	ECO101729	100%	100%	100%
ECO101729	HIN100179	74%	99.8%	99.8%
ECO101729	HPY100376	57%	98.4%	99.6%
ECO101729	KPN307117	90%	100%	100%
ECO101729	LPN100778	22%	65.5%	71.7%
ECO101729	LMO102007	57%	97.1%	94.8%
ECO101729	MCA100007	54%	98.9%	99.8%
ECO101729	NGO100595	66%	98.2%	99.1%
ECO101729	NME201813	66%	98.2%	99.1%
ECO101729	PMU100043	74%	99.8%	99.8%
ECO101729	PRT101534	82%	100%	100%
ECO101729	PAE204586	65%	99.3%	99.8%
ECO101729	PPU101007	65%	98.9%	98.7%
ECO101729	SPA100748	92%	100%	100%
ECO101729	STY101224	92%	100%	100%
ECO101729	STM101795	33%	80.1%	79.1%
ECO101729	SAU800958	29%	88.6%	93.0%
ECO101729	SEP200164	29%	88.6%	93.0%
ECO101729	SHA100738	37%	18.6%	47.3%
ECO101729	SHA101571	30%	88.6%	92.5%
ECO101729	SMU100896	57%	98.2%	98.0%
ECO101729	SPN401180	55%	98.7%	98.4%
ECO101729	YPS002504	83%	100%	100%
ECO101739	BAN104442	33%	96.0%	97.7%
ECO101739	BAN102029	33%	99.7%	99.7%
ECO101739	BPT100971	32%	98.5%	88.5%
ECO101739	BBU100527	27%	92.0%	88.3%
ECO101739	CDF101932	24%	97.9%	73.7%
ECO101739	EFM202426	36%	96.0%	96.5%
ECO101739	ECO101739	100%	100%	100%
ECO101739	LMO101114	33%	100%	94.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101739	MAV104842	36%	96.0%	92.1%
ECO101739	PAE201126	35%	99.7%	94.8%
ECO101739	SAU800600	33%	97.2%	97.1%
ECO101739	SEP200145	32%	96.0%	95.8%
ECO101739	SHA100813	33%	97.2%	97.4%
ECO101752	BAN103600	24%	80.3%	75.4%
ECO101752	BAN104592	26%	95.8%	93.6%
ECO101752	BPT101378	49%	98.6%	99.5%
ECO101752	BCE113273	54%	97.7%	97.9%
ECO101752	BFU100576	54%	98.6%	98.8%
ECO101752	CJU100856	30%	18.7%	71.8%
ECO101752	CAC102209	28%	95.8%	95.7%
ECO101752	EBC102642	95%	98.8%	100%
ECO101752	ECO101752	100%	100%	100%
ECO101752	KPN300345	94%	32.3%	93.2%
ECO101752	KPN302879	91%	99.8%	99.8%
ECO101752	LPN103620	53%	98.6%	99.5%
ECO101752	PAE200586	58%	98.6%	99.3%
ECO101752	PPU100631	56%	99.3%	100%
ECO101752	PSY103401	56%	98.6%	99.3%
ECO101752	SPA100434	76%	66.3%	100%
ECO101752	STY101256	94%	99.1%	99.1%
ECO101752	VCH101843	73%	99.1%	100%
ECO101752	YPS000696	86%	98.6%	99.1%
ECO101753	ABA100639	33%	37.5%	72.5%
ECO101753	BFR106061	21%	25.1%	33.2%
ECO101753	BPT101941	29%	35.6%	49.6%
ECO101753	BCE106878	24%	87.2%	96.5%
ECO101753	CAC102460	31%	35.2%	29.4%
ECO101753	CDF100180	33%	33.0%	49.4%
ECO101753	EBC100307	33%	44.4%	97.8%
ECO101753	ECO100999	38%	89.4%	97.3%
ECO101753	ECO101753	100%	100%	100%
ECO101753	HPY200297	27%	25.1%	49.0%
ECO101753	KPN300785	27%	80.2%	87.9%
ECO101753	LPN102390	32%	43.2%	30.7%
ECO101753	LMO101448	27%	40.5%	56%
ECO101753	LMO102375	28%	36.9%	50.3%
ECO101753	NME201936	31%	22.8%	29.1%
ECO101753	SPA101696	34%	35.8%	49.2%
ECO101753	STY104535	34%	35.8%	49.2%
ECO101753	SMU101724	27%	25.1%	77.0%
ECO101753	SPY103619	30%	15.9%	63.4%
ECO101753	TPA100971	33%	32.8%	41.3%
ECO101753	UUR100526	20%	22.8%	19.0%
ECO101753	VCH101352	23%	79.4%	92.1%
ECO101763	ABA105513	40%	90.2%	86.7%
ECO101763	BAN100828	36%	92.7%	87.8%
ECO101763	BFR105380	39%	61.0%	95.1%
ECO101763	BPT100872	37%	92.7%	89.2%
ECO101763	BCE101273	47%	97.6%	67.2%
ECO101763	CDP101886	35%	97.6%	92.0%
ECO101763	EBC100161	90%	100%	100%
ECO101763	EFA200147	27%	92.7%	90%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101763	EFM200246	28%	97.6%	100%
ECO101763	ECO101763	100%	100%	100%
ECO101763	KPN302997	87%	75.6%	100%
ECO101763	MCA102133	43%	86.6%	78.4%
ECO101763	MAV103677	38%	98.8%	76.0%
ECO101763	MBV102010	35%	98.8%	79.2%
ECO101763	MLP101243	32%	98.8%	79.8%
ECO101763	MTU201828	35%	98.8%	79.2%
ECO101763	PRT106179	75%	92.7%	92.7%
ECO101763	PAE205419	41%	98.8%	97.5%
ECO101763	PPU103670	47%	98.8%	97.5%
ECO101763	PSY103272	42%	98.8%	97.5%
ECO101763	SPA103813	95%	100%	100%
ECO101763	STY101269	95%	100%	100%
ECO101763	STM103357	95%	100%	100%
ECO101763	SAU800374	38%	91.5%	85.5%
ECO101763	SEP201355	38%	91.5%	84.5%
ECO101763	SPN400255	32%	91.5%	93.4%
ECO101763	SPY200974	28%	92.7%	87.8%
ECO101763	YPS000210	82%	100%	76.6%
ECO101764	ECO101764	100%	100%	100%
ECO101764	KPN303650	49%	91.7%	66.3%
ECO101764	PRT104545	53%	90%	46.5%
ECO101764	SPA103812	96%	100%	100%
ECO101764	STY101560	95%	100%	100%
ECO101764	STM103355	96%	100%	100%
ECO101765	ECO101765	100%	100%	100%
ECO101765	KPN303648	68%	88.2%	95.5%
ECO101765	PRT105988	60%	88.2%	95.5%
ECO101765	SPA103810	84%	100%	99.2%
ECO101765	STY101562	84%	100%	99.2%
ECO101765	STM103353	83%	100%	99.2%
ECO101780	ABA104139	38%	79.0%	77.7%
ECO101780	BAN105904	31%	80.8%	83.4%
ECO101780	BAN105947	36%	93.8%	89.8%
ECO101780	CJU100801	35%	55.6%	42.1%
ECO101780	CDF101312	45%	83.4%	61.5%
ECO101780	CDP101238	40%	58.1%	31.4%
ECO101780	EBC102374	74%	98.7%	98.9%
ECO101780	ECO101780	100%	100%	100%
ECO101780	HPY100289	35%	63.4%	52.6%
ECO101780	KPN304841	76%	99.1%	99.6%
ECO101780	LPN100163	38%	99.1%	99.8%
ECO101780	PRT104174	60%	97.8%	94.3%
ECO101780	PAE201757	47%	95.1%	94.0%
ECO101780	PPU111323	45%	95.4%	95.7%
ECO101780	PSY106827	46%	92.9%	99.5%
ECO101780	SPA101635	76%	98.0%	99.8%
ECO101780	STY101751	76%	99.8%	99.6%
ECO101780	STM101879	76%	99.8%	99.6%
ECO101780	SPN201794	38%	59.2%	46.8%
ECO101780	SPY201530	35%	59.2%	46.0%
ECO101780	VCH101284	59%	99.6%	98.9%
ECO101780	YPS001281	66%	97.4%	96.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101781	ABA105027	38%	80.7%	75.1%
ECO101781	BPT100243	42%	79.7%	64.3%
ECO101781	BCE101466	42%	83.9%	73.7%
ECO101781	BFU102068	43%	79.7%	71.4%
ECO101781	BMA100553	42%	80.7%	31.0%
ECO101781	CBO100995	25%	71.4%	74.9%
ECO101781	CDF101386	25%	90.6%	95.1%
ECO101781	CDP101714	32%	90.6%	71.7%
ECO101781	EBC102375	84%	100%	100%
ECO101781	ECO101781	100%	100%	100%
ECO101781	KPN304842	84%	100%	100%
ECO101781	LPN101532	30%	69.3%	98.5%
ECO101781	LMO102769	33%	45.3%	36.8%
ECO101781	MCA102435	37%	82.3%	64.2%
ECO101781	MAV102732	34%	80.7%	61.4%
ECO101781	MBV103988	34%	80.2%	60.8%
ECO101781	MLP101366	35%	79.2%	61.7%
ECO101781	MTU203618	34%	80.2%	60.8%
ECO101781	PRT106168	52%	94.3%	97.8%
ECO101781	PAE203751	40%	92.7%	87.7%
ECO101781	PPU107780	46%	80.2%	80.6%
ECO101781	PSY103810	43%	92.2%	89.4%
ECO101781	SPA101637	70%	89.6%	100%
ECO101781	STY101753	87%	100%	100%
ECO101781	STM101882	89%	97.4%	97.4%
ECO101781	SPY201658	25%	77.6%	78.9%
ECO101781	VCH101283	34%	95.8%	95.6%
ECO101781	YPS001278	55%	95.3%	95.5%
ECO101782	ABA105163	54%	99.6%	99.6%
ECO101782	BFR11775	41%	94.5%	98.4%
ECO101782	BPT100261	53%	99.1%	98.5%
ECO101782	BCE110535	53%	99.1%	98.9%
ECO101782	BFU101746	52%	99.1%	98.9%
ECO101782	BMA107390	52%	99.1%	98.9%
ECO101782	CJU101530	45%	99.3%	99.3%
ECO101782	CBO100452	33%	60.4%	91.2%
ECO101782	CDP101615	63%	98.5%	97.2%
ECO101782	EBC102376	89%	100%	100%
ECO101782	EFA202451	34%	61.2%	92.6%
ECO101782	ECO101782	100%	100%	100%
ECO101782	HIN100274	69%	100%	100%
ECO101782	HPY100130	45%	99.3%	99.1%
ECO101782	KPN304852	89%	100%	100%
ECO101782	MCA100203	53%	98.7%	99.6%
ECO101782	MAV102729	34%	10.8%	10.3%
ECO101782	MBV106198	50%	99.1%	98.0%
ECO101782	MTU200069	50%	99.1%	98.0%
ECO101782	PMU100036	68%	99.8%	99.8%
ECO101782	PRT106079	80%	100%	100%
ECO101782	PAE202441	53%	99.1%	98.9%
ECO101782	PPU104035	53%	99.1%	98.9%
ECO101782	SPA101021	87%	100%	100%
ECO101782	STY101754	94%	100%	100%
ECO101782	STM101885	94%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101782	VCH101281	75%	99.8%	100%
ECO101782	YPS001275	84%	99.8%	99.8%
ECO101785	BPT101965	29%	31.6%	81.1%
ECO101785	BCE100539	29%	40.2%	79.5%
ECO101785	BFU102714	31%	41.8%	71.0%
ECO101785	BMA103652	30%	40.2%	79.6%
ECO101785	CAC100528	27%	43.7%	86.6%
ECO101785	CDF101085	32%	97.8%	100%
ECO101785	CDF102264	28%	99.1%	100%
ECO101785	EBC100373	97%	21.4%	98.6%
ECO101785	EFA200641	43%	98.5%	97.3%
ECO101785	EFM201694	23%	34.1%	80.1%
ECO101785	EFM202558	42%	98.5%	97.3%
ECO101785	ECO101785	100%	100%	100%
ECO101785	KPN304856	94%	100%	100%
ECO101785	LMO102369	42%	98.5%	97.2%
ECO101785	NGO101815	28%	40.6%	91.0%
ECO101785	NME200364	30%	40.6%	91.0%
ECO101785	PMU100834	64%	99.1%	98.8%
ECO101785	SPA100142	93%	97.8%	100%
ECO101785	STY101758	95%	100%	100%
ECO101785	STM101897	95%	100%	100%
ECO101785	SMU101286	39%	99.1%	98.8%
ECO101785	SPN400261	39%	99.1%	97.9%
ECO101785	SPY201337	39%	99.1%	98.8%
ECO101785	YPS000675	81%	100%	100%
ECO101796	BFR104413	55%	90.9%	95.9%
ECO101796	BPT102042	44%	89.7%	95.0%
ECO101796	BCE112542	59%	90.5%	97.8%
ECO101796	BFU104304	59%	90.9%	94.3%
ECO101796	BMA105070	57%	90.5%	97.4%
ECO101796	CAC101675	32%	82.6%	84.0%
ECO101796	CBO102946	31%	81.0%	83.9%
ECO101796	CDF100814	32%	82.8%	32.4%
ECO101796	CDP100150	29%	90.3%	96.8%
ECO101796	EBC101616	86%	35.8%	100%
ECO101796	EFA202385	32%	84.2%	87.2%
ECO101796	ECO101796	100%	100%	100%
ECO101796	KPN301541	79%	92.1%	99.8%
ECO101796	MBV105656	28%	81.6%	77.6%
ECO101796	MTU202299	28%	81.6%	75.6%
ECO101796	PAE200245	29%	83.0%	82.8%
ECO101796	SPA100492	89%	91.5%	100%
ECO101796	STM101923	90%	92.5%	100%
ECO101796	SMU103098	25%	34.0%	93.0%
ECO101796	VCH101573	28%	82.0%	84.9%
ECO101796	YPS000541	70%	90.5%	98.2%
ECO101812	ABA105060	28%	95.9%	96.9%
ECO101812	BFR12043	23%	94.1%	91.4%
ECO101812	BCE102658	29%	69.1%	79.2%
ECO101812	CPN200090	25%	97.7%	88.8%
ECO101812	CTR200812	27%	87.7%	80.8%
ECO101812	CAC103515	35%	66.4%	50.7%
ECO101812	EBC102091	88%	98.6%	98.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101812	ECO101812	100%	100%	100%
ECO101812	KPN301983	87%	98.6%	99.1%
ECO101812	MAV103787	32%	69.1%	75.3%
ECO101812	SPA101082	90%	99.5%	100%
ECO101812	STY102242	90%	99.5%	94.4%
ECO101812	STM101972	90%	99.5%	94.4%
ECO101822	BPT102404	59%	99.2%	97.7%
ECO101822	BCE107531	52%	98.8%	85.4%
ECO101822	BFU103511	51%	99.6%	75.9%
ECO101822	BMA100592	52%	98.8%	98.7%
ECO101822	EBC101988	96%	99.8%	100%
ECO101822	ECO101822	100%	100%	100%
ECO101822	HIN101541	77%	100%	100%
ECO101822	KPN301976	95%	100%	100%
ECO101822	LPN100837	44%	94.4%	99.8%
ECO101822	NGO101773	49%	100%	98.6%
ECO101822	NME200171	49%	100%	98.6%
ECO101822	PMU100653	78%	100%	100%
ECO101822	PRT102540	85%	100%	100%
ECO101822	PAE204327	57%	99.0%	98.6%
ECO101822	PPU103342	57%	99.0%	98.3%
ECO101822	PSY105033	55%	99.0%	98.6%
ECO101822	SPA101027	96%	38.1%	100%
ECO101822	STY102252	98%	100%	100%
ECO101822	STM101984	98%	100%	100%
ECO101822	VCH101978	68%	99.8%	99.8%
ECO101822	YPS003477	89%	100%	100%
ECO101830	BCE101208	46%	73.0%	70.2%
ECO101830	ECO101830	100%	100%	100%
ECO101830	SPA102453	80%	82.4%	96.5%
ECO101830	STY102261	80%	82.4%	96.5%
ECO101830	STM102393	80%	82.4%	96.5%
ECO101834	ABA101157	59%	98.8%	98.5%
ECO101834	BAN109213	38%	98.6%	99.5%
ECO101834	BAN103380	52%	99.5%	99.3%
ECO101834	BFR10266	48%	78.3%	99.1%
ECO101834	BPT101790	57%	98.8%	99.0%
ECO101834	BBU100445	41%	85.1%	99.0%
ECO101834	BCE104313	44%	14.9%	70.2%
ECO101834	BCE111669	56%	98.8%	98.3%
ECO101834	BFU111015	58%	98.8%	98.5%
ECO101834	BMA100432	58%	98.8%	98.3%
ECO101834	CJU100601	51%	98.8%	99.1%
ECO101834	CPN200083	44%	98.6%	99.1%
ECO101834	CTR200818	45%	98.6%	99.5%
ECO101834	CAC102618	48%	99.5%	98.3%
ECO101834	CBO100008	47%	99.5%	98.5%
ECO101834	CDF100502	52%	98.6%	97.6%
ECO101834	CDP100396	47%	96.4%	95.7%
ECO101834	EBC102309	92%	100%	100%
ECO101834	EFA202213	53%	98.6%	98.6%
ECO101834	EFM202626	53%	99.5%	99.5%
ECO101834	ECO101834	100%	100%	100%
ECO101834	HIN100302	76%	99.2%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101834	HPY100610	49%	99.2%	100%
ECO101834	KPN301306	93%	51.5%	96.8%
ECO101834	LPN101576	55%	98.8%	98.8%
ECO101834	LMO101015	52%	99.7%	99.5%
ECO101834	MCA100604	56%	99.3%	99.3%
ECO101834	MAV103031	47%	87.3%	99.8%
ECO101834	MBV101554	46%	96.4%	93.5%
ECO101834	MLP100306	45%	96.4%	96.4%
ECO101834	MTU202535	46%	96.4%	95.8%
ECO101834	MGE100036	33%	95.3%	95.3%
ECO101834	MPN100108	35%	95.6%	94.4%
ECO101834	NGO101633	55%	98.8%	99.5%
ECO101834	NME201865	56%	99.5%	99.0%
ECO101834	PMU100983	77%	99.2%	99.5%
ECO101834	PRT100115	78%	98.6%	100%
ECO101834	PAE200962	64%	98.8%	98.6%
ECO101834	PPU112195	62%	98.8%	98.6%
ECO101834	PSY106866	63%	90.7%	98.5%
ECO101834	SPA102449	91%	66.6%	99.7%
ECO101834	STY102265	94%	100%	100%
ECO101834	SAU801630	54%	98.6%	99.1%
ECO101834	SEP201575	53%	98.6%	99.1%
ECO101834	SHA100663	53%	98.6%	99.1%
ECO101834	SMU101272	50%	99.8%	99.0%
ECO101834	SPN401921	50%	98.6%	98.1%
ECO101834	SPY201648	49%	98.6%	99.0%
ECO101834	TPA100975	42%	98.6%	96.7%
ECO101834	UUR100288	39%	98.1%	99.0%
ECO101834	VCH101147	75%	98.8%	98.6%
ECO101834	YPS003419	82%	99.3%	98.0%
ECO101844	ABA102360	23%	99.7%	99.3%
ECO101844	BAN106237	31%	74.2%	92.4%
ECO101844	BAN106908	33%	93.2%	93.7%
ECO101844	BFR10875	26%	95.0%	94.7%
ECO101844	BPT101508	24%	99.1%	99.8%
ECO101844	BBU100593	22%	95.3%	93.2%
ECO101844	BCE100461	27%	99.7%	98.7%
ECO101844	BFU103077	25%	99.7%	98.7%
ECO101844	BMA100457	26%	99.7%	98.7%
ECO101844	CJU101100	22%	92.2%	92.8%
ECO101844	CPN200176	39%	96.2%	95.7%
ECO101844	CTR200729	39%	99.7%	98.8%
ECO101844	CAC101790	33%	94.5%	94.7%
ECO101844	CBO100741	32%	94.5%	94.7%
ECO101844	CDF104545	33%	93.8%	93.6%
ECO101844	CDP100057	25%	95.3%	94%
ECO101844	EBC100321	88%	52.9%	100%
ECO101844	EFA200290	31%	100%	100%
ECO101844	EFM201011	30%	100%	100%
ECO101844	ECO101844	100%	100%	100%
ECO101844	HIN101550	71%	100%	100%
ECO101844	HPY100315	22%	93.2%	93.7%
ECO101844	KPN301304	92%	100%	100%
ECO101844	LPN101161	23%	99.7%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101844	LMO101656	27%	99.5%	98.7%
ECO101844	MCA100331	67%	100%	100%
ECO101844	MAV106525	26%	99.3%	97.3%
ECO101844	MBV105559	25%	99.8%	99.3%
ECO101844	MLP100693	24%	99.8%	99.3%
ECO101844	MTU201275	25%	99.8%	99.3%
ECO101844	MGE100389	27%	27.9%	30.2%
ECO101844	MPN100286	22%	90.5%	89.9%
ECO101844	NGO100228	56%	100%	100%
ECO101844	NME201566	57%	100%	100%
ECO101844	PMU100551	71%	97.6%	100%
ECO101844	PRT100545	77%	100%	100%
ECO101844	PAE205046	53%	99.7%	98.6%
ECO101844	PPU109126	55%	99.7%	99.3%
ECO101844	PSY103569	56%	99.7%	98.6%
ECO101844	SPA103053	90%	100%	100%
ECO101844	STY102666	95%	100%	100%
ECO101844	STM102429	95%	100%	100%
ECO101844	SAU800607	25%	99.7%	98.9%
ECO101844	SEP200171	25%	99.5%	98.6%
ECO101844	SHA101545	26%	99.7%	98.9%
ECO101844	SMU101264	33%	100%	100%
ECO101844	SPN401887	33%	92.2%	92.4%
ECO101844	SPY201643	34%	92.2%	92.4%
ECO101844	TPA100822	26%	91.9%	91.2%
ECO101844	UUR100280	21%	99.0%	98.9%
ECO101844	VCH102042	71%	100%	96.3%
ECO101844	YPS003380	83%	100%	100%
ECO101848	BAN109475	29%	89.3%	99.1%
ECO101848	BAN107115	30%	89.8%	56.3%
ECO101848	BPT101039	54%	97.6%	97.4%
ECO101848	BBU100271	26%	91.6%	94.4%
ECO101848	BCE101394	43%	83.8%	99.4%
ECO101848	BFU107593	49%	97.6%	92.1%
ECO101848	BMA106909	47%	97.6%	79.6%
ECO101848	CJU100304	37%	93.2%	98.3%
ECO101848	CPN200429	28%	94.2%	99.4%
ECO101848	CTR200360	27%	89.8%	95%
ECO101848	CAC101540	34%	90.3%	56.6%
ECO101848	CBO103112	37%	90.8%	56.8%
ECO101848	CDF101537	35%	90.6%	57.3%
ECO101848	CDP100831	24%	50%	24.0%
ECO101848	EBC101868	82%	75.4%	99.7%
ECO101848	ECO101848	100%	100%	100%
ECO101848	HPY100757	34%	91.1%	96.6%
ECO101848	LPN102387	37%	96.9%	96.6%
ECO101848	LMO101348	32%	88.5%	96.0%
ECO101848	PRT101697	56%	99.7%	99.7%
ECO101848	PAE201448	41%	97.1%	98.1%
ECO101848	PPU100957	42%	97.1%	98.2%
ECO101848	PSY104645	39%	97.1%	98.1%
ECO101848	SPA103608	30%	89.8%	96.9%
ECO101848	STY102681	90%	99.5%	99.5%
ECO101848	STM104011	30%	89.8%	96.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101848	TPA100707	31%	88.0%	89.4%
ECO101848	VCH102087	42%	95.8%	97.6%
ECO101848	YPS001340	65%	99.5%	98.7%
ECO101849	BPT100969	66%	93.0%	93.8%
ECO101849	BCE102972	54%	95.3%	90.5%
ECO101849	BFU101753	52%	94.9%	94.5%
ECO101849	BMA100242	54%	92.5%	88.4%
ECO101849	EBC102526	86%	100%	100%
ECO101849	ECO101849	100%	100%	100%
ECO101849	PRT101698	68%	97.7%	97.7%
ECO101849	PAE201456	36%	90.7%	79.8%
ECO101849	PPU107239	34%	90.7%	80.2%
ECO101849	PSY104628	36%	90.7%	80.5%
ECO101849	STY102684	92%	100%	100%
ECO101849	VCH102032	34%	95.3%	87.4%
ECO101849	YPS000444	79%	95.8%	95.8%
ECO101850	BPT100968	78%	98.4%	98.4%
ECO101850	BBU100569	37%	91.5%	97.6%
ECO101850	BCE114763	76%	96.9%	95.4%
ECO101850	BFU101848	77%	94.6%	96.1%
ECO101850	BMA102452	77%	96.9%	95.4%
ECO101850	CJU101044	48%	91.5%	91.5%
ECO101850	EBC102527	92%	100%	100%
ECO101850	ECO101850	100%	100%	100%
ECO101850	HPY101050	49%	91.5%	96.0%
ECO101850	PRT101699	83%	100%	100%
ECO101850	PAE201455	60%	94.6%	98.4%
ECO101850	PPU107240	58%	86.0%	98.2%
ECO101850	PSY108633	62%	96.9%	97.7%
ECO101850	STY102690	97%	100%	100%
ECO101850	VCH102033	66%	96.9%	96.2%
ECO101850	YPS000441	90%	100%	100%
ECO101855	ABA100537	23%	61.7%	57.9%
ECO101855	BAN103169	26%	85.0%	47%
ECO101855	BAN111824	26%	85.0%	47.6%
ECO101855	BPT100964	74%	91.6%	85.6%
ECO101855	BBU100564	33%	86.8%	87.8%
ECO101855	BCE102043	71%	89.2%	87.1%
ECO101855	BFU104019	70%	89.8%	84.3%
ECO101855	BMA106471	71%	89.2%	85.1%
ECO101855	CJU100254	32%	79.6%	79.8%
ECO101855	CAC101201	34%	83.2%	82.1%
ECO101855	CBO101893	31%	86.8%	98.0%
ECO101855	CDF100179	31%	86.8%	84.3%
ECO101855	EBC101567	93%	100%	100%
ECO101855	ECO101855	100%	100%	100%
ECO101855	HPY100387	30%	82.0%	82.4%
ECO101855	LMO100168	28%	85.0%	46.4%
ECO101855	PRT101704	82%	92.2%	92.8%
ECO101855	PAE200177	65%	92.2%	96.9%
ECO101855	PPU100206	31%	89.8%	94.3%
ECO101855	PSY104621	31%	94.6%	99.4%
ECO101855	SPA102291	92%	100%	100%
ECO101855	STY102699	91%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101855	STM100698	23%	80.2%	42.3%
ECO101855	TPA100435	31%	85.0%	85.9%
ECO101855	VCH103807	38%	88.6%	97.4%
ECO101855	YPS000402	84%	97.6%	98.8%
ECO101862	EBC104539	95%	100%	100%
ECO101862	EBC103941	96%	100%	100%
ECO101862	EBC100826	96%	100%	100%
ECO101862	EBC103716	96%	100%	100%
ECO101862	EBC103336	100%	100%	100%
ECO101862	EFM200791	25%	84.6%	24.9%
ECO101862	EFM200545	27%	63.7%	21.3%
ECO101862	EFM201822	26%	86.8%	24.6%
ECO101862	EFM202619	26%	86.8%	24.6%
ECO101862	EFM200291	26%	86.8%	24.6%
ECO101862	EFM201961	26%	86.8%	24.6%
ECO101862	EFM200014	26%	86.8%	24.6%
ECO101862	EFM202174	28%	86.8%	27.1%
ECO101862	ECO101862	100%	100%	100%
ECO101862	ECO103367	100%	100%	100%
ECO101862	ECO100022	100%	100%	100%
ECO101868	BCE102392	53%	98.8%	96.7%
ECO101868	BCE113790	55%	98.6%	99.0%
ECO101868	BFU102747	53%	42.3%	81.2%
ECO101868	BMA100031	54%	98.6%	97.6%
ECO101868	EBC102563	88%	100%	100%
ECO101868	ECO101868	100%	100%	100%
ECO101868	KPN301529	87%	100%	98.6%
ECO101868	PPU103879	39%	46.6%	95.0%
ECO101868	PSY105277	60%	97.4%	96.8%
ECO101868	YPS001717	79%	47.0%	96.3%
ECO101870	EBC102565	63%	100%	100%
ECO101870	ECO101870	100%	100%	100%
ECO101870	KPN301537	50%	97.0%	95.9%
ECO101870	SPA102034	76%	100%	100%
ECO101870	STY102732	76%	100%	100%
ECO101870	STM102496	76%	100%	100%
ECO101871	ECO101871	100%	100%	100%
ECO101871	KPN308700	50%	75%	76.4%
ECO101872	EBC102561	48%	78.5%	100%
ECO101872	ECO101872	100%	100%	100%
ECO101872	KPN207037	25%	51.4%	93.2%
ECO101872	SPA102033	57%	91.6%	100%
ECO101872	STY102735	60%	97.2%	93.7%
ECO101872	STM102500	61%	97.2%	93.7%
ECO101882	BCE114633	55%	98%	95.2%
ECO101882	BFU102808	59%	96.4%	94.8%
ECO101882	CAC100722	52%	99.2%	100%
ECO101882	CAC102757	56%	99.2%	100%
ECO101882	CBO102646	54%	97.2%	98.0%
ECO101882	EBC100445	92%	100%	100%
ECO101882	EFA200396	58%	98%	99.6%
ECO101882	ECO101882	100%	100%	100%
ECO101882	HIN101054	57%	97.6%	94.9%
ECO101882	KPN300045	89%	40.8%	85%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101882	KPN300885	89%	66%	87.8%
ECO101882	LMO100107	58%	98%	99.2%
ECO101882	PPU109960	77%	99.2%	97.6%
ECO101882	PSY103670	74%	97.2%	98.4%
ECO101882	SPA102746	90%	100%	100%
ECO101882	STY102765	92%	100%	100%
ECO101882	SAU801857	53%	99.2%	100%
ECO101882	SEP200471	53%	99.2%	100%
ECO101882	YPS001591	77%	99.2%	98.0%
ECO101897	BAN101612	26%	73.6%	91.9%
ECO101897	BFU101528	26%	88.7%	78.0%
ECO101897	BMA102559	29%	54.7%	39.2%
ECO101897	CAC103410	23%	63.5%	70.5%
ECO101897	ECO101897	100%	100%	100%
ECO101897	KPN302916	29%	95.6%	94.4%
ECO101916	EBC104124	22%	85.5%	89.4%
ECO101916	ECO101916	100%	100%	100%
ECO101916	KPN300872	61%	60.9%	96.9%
ECO101916	LMO101661	31%	23.2%	20.3%
ECO101916	PRT103362	21%	93.7%	96.5%
ECO101916	SPA102250	88%	100%	100%
ECO101916	STY102835	87%	100%	100%
ECO101916	STM102569	87%	100%	100%
ECO101916	YPS003114	23%	89.4%	93.1%
ECO101932	ECO101932	100%	100%	100%
ECO101932	HPY101345	27%	43.4%	45.8%
ECO101932	PAE204881	32%	95.4%	95.0%
ECO101932	PSY102848	34%	94.5%	94.4%
ECO101932	SPA103998	54%	99.3%	98.9%
ECO101932	STY103627	54%	99.3%	98.9%
ECO101939	BPT100783	32%	86.3%	94.2%
ECO101939	BCE106818	33%	82.0%	87.0%
ECO101939	BFU100112	34%	82.0%	86.6%
ECO101939	BMA106390	33%	82.0%	85.8%
ECO101939	EBC101415	81%	95.3%	100%
ECO101939	ECO101939	100%	100%	100%
ECO101939	KPN301295	78%	74.8%	99.5%
ECO101939	PAE204027	39%	83.5%	84.8%
ECO101939	PPU108189	39%	84.9%	87.8%
ECO101939	PSY102145	38%	86.0%	89.6%
ECO101939	SPA100917	80%	99.3%	100%
ECO101939	STY102854	84%	89.9%	94.3%
ECO101939	STM103015	85%	89.9%	94.3%
ECO101939	YPS000612	66%	89.9%	92.6%
ECO101940	ABA106057	24%	15.3%	83.5%
ECO101940	ABA101677	23%	20.1%	85.4%
ECO101940	ABA105636	22%	28.0%	95.0%
ECO101940	ABA102772	23%	22.0%	89.0%
ECO101940	ABA100270	24%	47.8%	51.6%
ECO101940	ABA105476	21%	23.2%	80.5%
ECO101940	ABA100269	23%	58.7%	46.7%
ECO101940	ABA103692	22%	45.7%	93.5%
ECO101940	BAN103564	18%	40.9%	91.9%
ECO101940	BAN110387	20%	49.7%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101940	BAN100594	22%	45.3%	74.1%
ECO101940	BAN103966	20%	29.1%	86.4%
ECO101940	BAN106993	21%	29.7%	86.0%
ECO101940	BAN112238	21%	70.8%	35.0%
ECO101940	BPT101815	27%	79.9%	71.4%
ECO101940	BCE112364	20%	29.0%	39.2%
ECO101940	BCE102526	22%	75.8%	5.6%
ECO101940	CAC100010	21%	30.3%	72.2%
ECO101940	CBO100633	24%	7.4%	32.6%
ECO101940	CDF100798	20%	7.3%	35.6%
ECO101940	CDF104552	19%	72.1%	39.7%
ECO101940	EFA203172	20%	7.8%	64.8%
ECO101940	EFA200715	22%	63.6%	81.9%
ECO101940	EFM201066	22%	44.1%	27.4%
ECO101940	ECO101940	100%	100%	100%
ECO101940	LPN100835	22%	12.5%	89.5%
ECO101940	LPN102554	21%	28.5%	89.5%
ECO101940	LPN101177	20%	74.3%	71.6%
ECO101940	LMO102668	20%	61.8%	43.8%
ECO101940	LMO101179	20%	7.8%	15.1%
ECO101940	LMO101791	20%	4.4%	41.4%
ECO101940	PRT101411	26%	81.2%	83.6%
ECO101940	PAE201873	21%	28.9%	78.2%
ECO101940	PPU104136	20%	69.1%	30.2%
ECO101940	SPA102738	40%	13.9%	93.9%
ECO101940	STM102843	19%	8.2%	54.6%
ECO101940	SPN401402	22%	56.7%	15.3%
ECO101940	YPS002407	28%	90.0%	76.3%
ECO101943	ABA102320	38%	94.7%	83.6%
ECO101943	BPT100469	37%	93.8%	88.7%
ECO101943	BCE104326	72%	96.8%	88.7%
ECO101943	BFU103848	74%	98.9%	98.6%
ECO101943	BMA105236	40%	95.2%	94.3%
ECO101943	EBC102095	90%	99.3%	99.3%
ECO101943	ECO101943	100%	100%	100%
ECO101943	KPN308062	85%	98.9%	100%
ECO101943	MAV105065	39%	95.0%	87.8%
ECO101943	SPA102653	39%	93.4%	94.5%
ECO101943	STM103556	41%	94.7%	96.5%
ECO101944	BFR10768	28%	57.4%	90.3%
ECO101944	BPT102655	48%	97.5%	94.8%
ECO101944	BCE111329	47%	98.1%	67.2%
ECO101944	BFU111886	47%	97.7%	94.9%
ECO101944	BMA107275	48%	98.1%	95.3%
ECO101944	CPN200955	27%	60.1%	86.7%
ECO101944	CTR200127	26%	57.6%	81.7%
ECO101944	EBC102094	90%	97.3%	100%
ECO101944	ECO101944	100%	100%	100%
ECO101944	KPN301247	88%	100%	100%
ECO101944	PRT103047	86%	42.8%	100%
ECO101944	PAE203967	54%	98.3%	95.8%
ECO101944	PPU107622	56%	98.3%	98.2%
ECO101944	PSY105099	53%	98.3%	98.2%
ECO101944	SPA100713	90%	93.6%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101944	STY102855	90%	100%	100%
ECO101944	YPS001830	72%	96.9%	87.7%
ECO101945	BAN112031	60%	68.9%	100%
ECO101945	BAN104148	56%	98.7%	98.3%
ECO101945	BAN104405	58%	98.7%	98.3%
ECO101945	EFA200256	62%	98.7%	98.3%
ECO101945	EFM201788	64%	99.2%	98.7%
ECO101945	ECO101945	100%	100%	100%
ECO101945	LMO101499	62%	98.7%	98.3%
ECO101945	SPA102952	96%	100%	100%
ECO101945	STY104391	95%	100%	98.8%
ECO101945	SAU800669	48%	60.1%	97.9%
ECO101945	SEP200711	56%	98.7%	98.7%
ECO101945	SHA102248	56%	98.7%	98.7%
ECO101945	SMU101096	77%	100%	100%
ECO101945	SPN401736	74%	98.7%	98.7%
ECO101945	SPY200231	78%	99.6%	99.6%
ECO101945	VCH102742	42%	98.3%	98.3%
ECO101953	ABA105612	27%	29.0%	31.2%
ECO101953	BFU100696	50%	91.4%	95.6%
ECO101953	EBC104763	92%	18.6%	100%
ECO101953	EBC107253	93%	18.6%	100%
ECO101953	EBC101291	100%	16.9%	100%
ECO101953	EBC102182	96%	29.6%	99.0%
ECO101953	EBC101203	93%	32.2%	100%
ECO101953	EBC104566	98%	39.3%	100%
ECO101953	EBC100510	87%	46.7%	100%
ECO101953	EBC103428	98%	41.7%	100%
ECO101953	EBC104220	96%	45.0%	100%
ECO101953	EBC101223	99%	55.6%	96.4%
ECO101953	EBC104973	92%	100%	100%
ECO101953	ECO102150	99%	100%	100%
ECO101953	ECO100251	99%	100%	100%
ECO101953	ECO100542	99%	100%	100%
ECO101953	ECO102916	99%	100%	100%
ECO101953	ECO101302	99%	100%	100%
ECO101953	ECO101989	99%	100%	100%
ECO101953	ECO103428	99%	100%	100%
ECO101953	ECO100646	99%	100%	100%
ECO101953	ECO103148	99%	100%	100%
ECO101953	ECO101953	100%	100%	100%
ECO101953	KPN206674	93%	26.9%	98.9%
ECO101953	KPN201650	96%	96.2%	99.7%
ECO101953	LPN101936	20%	68.3%	89.6%
ECO101953	MBV101126	23%	36.7%	47.1%
ECO101953	MTU203341	23%	36.7%	52.1%
ECO101953	NGO101896	26%	25.1%	58.4%
ECO101953	NGO100681	26%	25.1%	58.4%
ECO101953	NGO100569	26%	25.1%	58.4%
ECO101953	NGO100201	26%	25.1%	58.4%
ECO101953	NGO101807	26%	25.1%	58.4%
ECO101953	NGO100715	26%	25.1%	58.4%
ECO101953	NME200429	23%	24.0%	79.0%
ECO101953	NME201600	26%	24.0%	79.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101953	NME201634	26%	25.4%	78.6%
ECO101953	NME201479	26%	25.4%	72.1%
ECO101953	NME201478	27%	59.8%	93.8%
ECO101953	NME201635	28%	59.8%	95.1%
ECO101953	NME201501	27%	62.7%	94.5%
ECO101953	NME201597	28%	60.7%	79.2%
ECO101953	NME200676	27%	68.9%	79.7%
ECO101953	NME201125	30%	60.7%	76.2%
ECO101953	NME200427	26%	86.1%	91.6%
ECO101953	NME201028	27%	86.1%	90.7%
ECO101953	NME201153	27%	86.1%	90.7%
ECO101953	NME201109	27%	86.1%	90.7%
ECO101953	NME200210	28%	86.1%	90.7%
ECO101953	PPU111071	58%	92.3%	95.7%
ECO101953	PSY108820	28%	32.5%	87.5%
ECO101953	PSY100971	37%	28.1%	79.8%
ECO101953	PSY107786	56%	17.2%	84.1%
ECO101953	PSY108012	58%	14.8%	52.1%
ECO101953	PSY100713	50%	15.4%	69.3%
ECO101953	PSY105545	51%	29.3%	0.9%
ECO101953	PSY102628	55%	46.2%	95.1%
ECO101953	PSY105342	66%	42.3%	98.6%
ECO101953	PSY102624	54%	47.0%	98.8%
ECO101953	PSY108079	54%	56.8%	93.6%
ECO101953	PSY100132	58%	61.8%	93.7%
ECO101953	PSY105328	57%	65.7%	94.5%
ECO101953	PSY108150	53%	77.5%	96.3%
ECO101953	PSY108972	53%	77.5%	98.9%
ECO101953	PSY101764	57%	79.9%	92.8%
ECO101953	PSY100142	58%	77.5%	92.9%
ECO101953	PSY100923	55%	88.8%	97.1%
ECO101953	PSY100425	56%	89.1%	94.9%
ECO101953	PSY100530	56%	91.7%	95.1%
ECO101953	PSY106503	57%	91.7%	95.1%
ECO101953	PSY106678	57%	91.4%	95.7%
ECO101953	PSY107045	57%	91.7%	95.1%
ECO101953	PSY103445	57%	91.7%	95.1%
ECO101953	PSY100366	57%	91.7%	95.1%
ECO101953	PSY106085	57%	91.7%	95.1%
ECO101953	PSY105970	57%	91.7%	95.1%
ECO101953	PSY103492	57%	91.7%	95.1%
ECO101953	PSY106670	57%	91.7%	95.1%
ECO101953	PSY108825	57%	91.7%	95.1%
ECO101953	PSY106530	57%	91.7%	95.1%
ECO101953	PSY106607	57%	91.7%	95.1%
ECO101953	PSY100555	57%	91.7%	95.1%
ECO101953	PSY100919	57%	91.7%	95.1%
ECO101953	PSY108757	57%	91.7%	95.1%
ECO101953	PSY101541	57%	91.7%	91.4%
ECO101953	PSY107011	57%	91.7%	95.1%
ECO101953	PSY108510	57%	91.7%	95.1%
ECO101953	PSY108390	57%	91.7%	95.1%
ECO101953	PSY106920	57%	91.7%	95.1%
ECO101953	PSY100368	57%	91.7%	95.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101953	PSY100686	57%	91.7%	95.1%
ECO101953	PSY100026	57%	91.7%	95.1%
ECO101953	PSY107134	57%	91.7%	95.1%
ECO101953	PSY107080	57%	91.7%	95.1%
ECO101953	PSY100200	57%	91.7%	95.1%
ECO101953	PSY101963	57%	91.7%	95.1%
ECO101953	PSY108098	57%	91.7%	95.1%
ECO101953	PSY106521	57%	91.7%	95.1%
ECO101953	PSY107158	57%	91.7%	95.1%
ECO101953	PSY108313	57%	91.7%	95.1%
ECO101953	PSY106814	57%	91.7%	95.1%
ECO101953	PSY107065	57%	91.7%	95.1%
ECO101953	PSY102698	57%	91.7%	95.1%
ECO101953	PSY108019	57%	91.7%	95.1%
ECO101953	PSY107438	57%	91.7%	95.1%
ECO101953	PSY106301	57%	91.7%	95.1%
ECO101953	PSY108294	57%	91.7%	95.1%
ECO101953	SAU302002	99%	100%	100%
ECO101953	VCH103198	82%	96.2%	99.7%
ECO101953	VCH103013	82%	96.2%	99.7%
ECO101961	BFU102395	46%	95.3%	65.3%
ECO101961	EBC103227	81%	61.5%	90.1%
ECO101961	ECO102590	77%	94.6%	87.5%
ECO101961	ECO100239	81%	100%	93.7%
ECO101961	ECO101961	100%	100%	100%
ECO101961	LPN103162	46%	70.9%	95.5%
ECO101961	SEP200678	43%	40.5%	57.1%
ECO101962	EBC107300	65%	75.3%	98.2%
ECO101962	ECO101962	100%	100%	100%
ECO101977	ECO101977	100%	100%	100%
ECO101977	STY104903	100%	68.8%	84.6%
ECO101978	ABA100967	32%	72.9%	99.0%
ECO101978	BAN110750	27%	67.9%	96.1%
ECO101978	BAN104616	29%	72.9%	98.6%
ECO101978	BFR10274	46%	97.7%	99.3%
ECO101978	BPT102118	35%	63.5%	84.3%
ECO101978	BCE111202	31%	67.9%	91.2%
ECO101978	BFU102918	31%	67.9%	85.3%
ECO101978	BMA100478	31%	67.9%	90.8%
ECO101978	CJU101503	66%	100%	100%
ECO101978	CAC100618	30%	75.6%	100%
ECO101978	CBO103224	31%	72.2%	96.7%
ECO101978	CDF101429	32%	67.9%	92.8%
ECO101978	CDP101163	31%	96.3%	97.9%
ECO101978	EBC101407	95%	100%	100%
ECO101978	ECO101978	100%	100%	100%
ECO101978	HIN100448	71%	100%	100%
ECO101978	KPN307753	93%	100%	100%
ECO101978	LPN101189	53%	98.3%	99.0%
ECO101978	LMO102293	35%	69.2%	93.9%
ECO101978	MCA100763	34%	65.6%	85.3%
ECO101978	MAV101032	32%	96.3%	97.9%
ECO101978	MBV101983	31%	96.3%	97.9%
ECO101978	MLP100814	29%	96.3%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101978	MTU202088	31%	96.3%	97.9%
ECO101978	NGO101357	32%	74.9%	98.2%
ECO101978	NME201627	32%	74.9%	100%
ECO101978	PMU101195	74%	99.7%	99.7%
ECO101978	PRT102221	87%	100%	100%
ECO101978	PAE204447	33%	72.9%	98.1%
ECO101978	PPU111032	34%	70.9%	97.2%
ECO101978	PSY104792	34%	70.9%	97.2%
ECO101978	SPA101158	88%	100%	100%
ECO101978	STY103477	95%	100%	100%
ECO101978	STM103244	95%	100%	100%
ECO101978	SAU802679	32%	70.9%	96.6%
ECO101978	SEP202153	31%	70.6%	96.1%
ECO101978	SMU100230	33%	73.6%	96.7%
ECO101978	VCH101113	68%	98.3%	96.7%
ECO101978	YPS002977	87%	100%	100%
ECO101987	ABA103119	23%	64.2%	68.1%
ECO101987	BAN110772	28%	64.7%	58.3%
ECO101987	BAN111921	29%	86.9%	75.5%
ECO101987	BFR101373	56%	100%	98.6%
ECO101987	BPT102039	29%	87.1%	81.4%
ECO101987	BCE109316	29%	97.2%	83.9%
ECO101987	BFU100399	29%	67.5%	97.2%
ECO101987	BFU112557	27%	94.3%	86.4%
ECO101987	BFU102079	29%	87.1%	78.4%
ECO101987	BMA106683	28%	88.4%	79.6%
ECO101987	CJU101360	51%	100%	99.7%
ECO101987	CDF103450	30%	87.1%	77.4%
ECO101987	CDP101551	30%	76.3%	81.8%
ECO101987	EBC102062	88%	46.6%	100%
ECO101987	EFM202675	43%	23.5%	84.2%
ECO101987	EFM201814	59%	100%	98.6%
ECO101987	ECO101987	100%	100%	100%
ECO101987	KPN300804	81%	100%	100%
ECO101987	MCA101063	21%	46.4%	43.1%
ECO101987	MAV101246	29%	86.9%	81.4%
ECO101987	MBV102120	27%	81.2%	79.1%
ECO101987	MTU200321	28%	86.9%	81.0%
ECO101987	PMU100776	59%	99.7%	99.2%
ECO101987	PRT105811	75%	99.7%	99.5%
ECO101987	PAE203557	28%	88.4%	78.2%
ECO101987	PPU110693	28%	92.8%	85.7%
ECO101987	PSY108023	28%	86.9%	76.8%
ECO101987	SPA109961	87%	100%	100%
ECO101987	STY103507	88%	100%	100%
ECO101987	SPN400318	59%	100%	100%
ECO101987	SPY201684	54%	100%	100%
ECO101987	VCH103500	69%	100%	100%
ECO101987	YPS000760	29%	88.4%	81.5%
ECO101989	ABA105612	27%	29.0%	31.2%
ECO101989	BFU100696	49%	91.4%	95.6%
ECO101989	EBC104763	92%	18.6%	100%
ECO101989	EBC107253	93%	18.6%	100%
ECO101989	EBC101291	100%	16.9%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101989	EBC102182	96%	29.6%	99.0%
ECO101989	EBC101203	93%	32.2%	100%
ECO101989	EBC104566	98%	39.3%	100%
ECO101989	EBC100510	87%	46.7%	100%
ECO101989	EBC103428	98%	41.7%	100%
ECO101989	EBC104220	96%	45.0%	100%
ECO101989	EBC101223	99%	55.6%	96.4%
ECO101989	EBC104973	92%	100%	100%
ECO101989	ECO103148	100%	100%	100%
ECO101989	ECO100251	100%	100%	100%
ECO101989	ECO100542	100%	100%	100%
ECO101989	ECO100646	100%	100%	100%
ECO101989	ECO101302	100%	100%	100%
ECO101989	ECO103428	100%	100%	100%
ECO101989	ECO102150	100%	100%	100%
ECO101989	ECO102916	100%	100%	100%
ECO101989	ECO101989	100%	100%	100%
ECO101989	KPN206674	94%	26.9%	98.9%
ECO101989	KPN201650	96%	96.2%	99.7%
ECO101989	LPN101936	20%	68.3%	89.6%
ECO101989	MBV101126	23%	36.7%	47.1%
ECO101989	MTU203341	23%	36.7%	52.1%
ECO101989	NGO101896	26%	25.1%	58.4%
ECO101989	NGO100681	26%	25.1%	58.4%
ECO101989	NGO100569	26%	25.1%	58.4%
ECO101989	NGO100201	26%	25.1%	58.4%
ECO101989	NGO101807	26%	25.1%	58.4%
ECO101989	NGO100715	26%	25.1%	58.4%
ECO101989	NME200429	23%	24.0%	79.0%
ECO101989	NME201600	26%	24.0%	79.0%
ECO101989	NME201634	26%	25.4%	78.6%
ECO101989	NME201479	26%	25.4%	72.1%
ECO101989	NME201478	27%	59.8%	93.8%
ECO101989	NME201635	28%	59.8%	95.1%
ECO101989	NME201501	27%	62.7%	94.5%
ECO101989	NME201597	28%	60.7%	79.2%
ECO101989	NME200676	27%	68.9%	79.7%
ECO101989	NME201125	30%	60.7%	76.2%
ECO101989	NME200427	26%	86.1%	91.6%
ECO101989	NME201028	27%	86.1%	90.7%
ECO101989	NME201153	27%	86.1%	90.7%
ECO101989	NME201109	27%	86.1%	90.7%
ECO101989	NME200210	28%	86.1%	90.7%
ECO101989	PPU111071	58%	92.3%	95.7%
ECO101989	PSY108820	27%	32.5%	87.5%
ECO101989	PSY100971	36%	28.1%	79.8%
ECO101989	PSY107786	55%	17.2%	84.1%
ECO101989	PSY108012	56%	14.8%	52.1%
ECO101989	PSY100713	50%	15.4%	69.3%
ECO101989	PSY105545	50%	29.3%	0.9%
ECO101989	PSY102628	55%	46.2%	95.1%
ECO101989	PSY105342	66%	42.3%	98.6%
ECO101989	PSY102624	54%	47.0%	98.8%
ECO101989	PSY108079	54%	56.8%	93.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101989	PSY100132	58%	61.8%	93.7%
ECO101989	PSY105328	57%	65.7%	94.5%
ECO101989	PSY108150	53%	77.5%	96.3%
ECO101989	PSY108972	53%	77.5%	98.9%
ECO101989	PSY101764	56%	79.9%	92.8%
ECO101989	PSY100142	58%	77.5%	92.9%
ECO101989	PSY100923	55%	88.8%	97.1%
ECO101989	PSY100425	56%	89.1%	94.9%
ECO101989	PSY100530	56%	91.7%	95.1%
ECO101989	PSY106503	56%	91.7%	95.1%
ECO101989	PSY106678	57%	91.4%	95.7%
ECO101989	PSY107045	57%	91.7%	95.1%
ECO101989	PSY103445	57%	91.7%	95.1%
ECO101989	PSY100366	57%	91.7%	95.1%
ECO101989	PSY106085	57%	91.7%	95.1%
ECO101989	PSY105970	57%	91.7%	95.1%
ECO101989	PSY103492	57%	91.7%	95.1%
ECO101989	PSY106670	57%	91.7%	95.1%
ECO101989	PSY108825	57%	91.7%	95.1%
ECO101989	PSY106530	57%	91.7%	95.1%
ECO101989	PSY106607	57%	91.7%	95.1%
ECO101989	PSY101541	57%	91.7%	91.4%
ECO101989	PSY100919	57%	91.7%	95.1%
ECO101989	PSY108757	57%	91.7%	95.1%
ECO101989	PSY100555	57%	91.7%	95.1%
ECO101989	PSY107011	57%	91.7%	95.1%
ECO101989	PSY108510	57%	91.7%	95.1%
ECO101989	PSY108390	57%	91.7%	95.1%
ECO101989	PSY106920	57%	91.7%	95.1%
ECO101989	PSY100368	57%	91.7%	95.1%
ECO101989	PSY100686	57%	91.7%	95.1%
ECO101989	PSY100026	57%	91.7%	95.1%
ECO101989	PSY107134	57%	91.7%	95.1%
ECO101989	PSY107080	57%	91.7%	95.1%
ECO101989	PSY100200	57%	91.7%	95.1%
ECO101989	PSY101963	57%	91.7%	95.1%
ECO101989	PSY108098	57%	91.7%	95.1%
ECO101989	PSY106521	57%	91.7%	95.1%
ECO101989	PSY107158	57%	91.7%	95.1%
ECO101989	PSY108313	57%	91.7%	95.1%
ECO101989	PSY106814	57%	91.7%	95.1%
ECO101989	PSY107065	57%	91.7%	95.1%
ECO101989	PSY102698	57%	91.7%	95.1%
ECO101989	PSY108019	57%	91.7%	95.1%
ECO101989	PSY107438	57%	91.7%	95.1%
ECO101989	PSY106301	57%	91.7%	95.1%
ECO101989	PSY108294	57%	91.7%	95.1%
ECO101989	SAU302002	100%	100%	100%
ECO101989	VCH103198	82%	96.2%	99.7%
ECO101989	VCH103013	82%	96.2%	99.7%
ECO101994	BAN104507	24%	45.9%	30.4%
ECO101994	BFU115854	23%	59.5%	53.9%
ECO101994	CJU100398	25%	27.1%	28.2%
ECO101994	CDF101229	25%	33.2%	66.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO101994	EFA202758	25%	22.4%	45.2%
ECO101994	ECO101994	100%	100%	100%
ECO101994	SAU800598	22%	29.1%	53.4%
ECO101995	ABA100286	32%	24.5%	19.8%
ECO101995	BAN112682	39%	10.4%	7.8%
ECO101995	BAN101794	39%	10.4%	7.8%
ECO101995	BAN107558	50%	10.4%	7.9%
ECO101995	BCE113421	41%	75.2%	94.2%
ECO101995	CJU101358	60%	98.6%	98.1%
ECO101995	CAC100692	37%	98.9%	99.7%
ECO101995	CBO103801	63%	98.4%	98.6%
ECO101995	CDP100618	45%	98.4%	97.4%
ECO101995	EFA200263	60%	97.8%	95.8%
ECO101995	ECO101995	100%	100%	100%
ECO101995	KPN300283	40%	55.3%	89.4%
ECO101995	LPN100642	48%	11.2%	8.3%
ECO101995	MAV105101	44%	99.2%	91.1%
ECO101995	MBV105249	43%	99.2%	94.7%
ECO101995	MLP100062	43%	99.2%	91.5%
ECO101995	MTU203754	43%	99.2%	94.7%
ECO101995	MGE100139	31%	99.2%	95.0%
ECO101995	MPN100557	31%	98.9%	96.2%
ECO101995	PSY100373	39%	97.0%	90.1%
ECO101995	SPA103753	39%	96.2%	92.4%
ECO101995	STY101896	38%	89.4%	90.4%
ECO101995	STM101645	39%	96.2%	92.4%
ECO101995	SHA101771	26%	45.5%	37.6%
ECO101995	SPN400319	61%	53.4%	97.5%
ECO101995	YPS001684	20%	64.0%	58.3%
ECO101996	BAN112783	18%	96.4%	81.8%
ECO101996	BAN105601	19%	96.4%	82.0%
ECO101996	BFR10318	21%	89.2%	94.4%
ECO101996	BCE102578	30%	96.6%	92.6%
ECO101996	BFU109796	25%	96.4%	90.1%
ECO101996	BMA102055	28%	60.2%	96.2%
ECO101996	CAC103498	28%	96.1%	92.6%
ECO101996	CBO102105	18%	88.4%	76.8%
ECO101996	EFA103494	20%	96.1%	84.3%
ECO101996	EFM202571	22%	65.5%	90.8%
ECO101996	ECO101996	100%	100%	100%
ECO101996	MCA103135	26%	49.4%	46.7%
ECO101996	SAU800132	22%	98.3%	84.5%
ECO101996	SHA100902	27%	37.3%	54.4%
ECO101996	SPN401149	20%	96.4%	80.4%
ECO102017	EBC102686	90%	99.4%	98.8%
ECO102017	ECO102017	100%	100%	100%
ECO102017	PPU110717	36%	96.3%	89.7%
ECO102017	SPA101233	88%	98.8%	98.8%
ECO102017	STY103559	90%	98.8%	98.8%
ECO102018	BAN106184	50%	13.6%	16.4%
ECO102018	BAN101034	43%	33.0%	40.6%
ECO102018	BAN113598	32%	56.3%	54.7%
ECO102018	BCE115140	40%	38.0%	24.7%
ECO102018	BFU111005	35%	33.0%	25.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102018	BFU102835	34%	35.5%	30.3%
ECO102018	BMA100943	24%	76.7%	39.6%
ECO102018	CJU101054	33%	40.9%	37.2%
ECO102018	CBO100253	34%	35.8%	11.2%
ECO102018	CDF102522	39%	44.8%	46.2%
ECO102018	CDF100756	39%	36.9%	39.9%
ECO102018	EBC102685	91%	98.6%	100%
ECO102018	EFA101670	35%	43.4%	54.3%
ECO102018	EFA101668	26%	73.1%	18.5%
ECO102018	ECO102018	100%	100%	100%
ECO102018	HIN101661	23%	87.1%	82.3%
ECO102018	KPN206346	32%	93.9%	89.3%
ECO102018	PSY104048	28%	45.2%	25.0%
ECO102018	SPA101232	90%	99.3%	98.9%
ECO102018	STM104358	27%	33.3%	31.8%
ECO102018	SMU100170	29%	36.6%	33.4%
ECO102018	SPN400136	35%	41.6%	37.9%
ECO102018	SPY200581	26%	41.6%	38.7%
ECO102023	BFR103686	22%	54.0%	38.5%
ECO102023	BPT103136	24%	27.1%	44.5%
ECO102023	EBC102773	70%	100%	100%
ECO102023	ECO102023	100%	100%	100%
ECO102023	HIN100127	19%	31.6%	45.3%
ECO102023	KPN305530	62%	100%	100%
ECO102023	LPN102648	16%	28.5%	33.5%
ECO102023	MAV101053	25%	19.3%	38.7%
ECO102023	NGO102494	18%	36.1%	29%
ECO102023	NME201800	21%	36.1%	28.0%
ECO102023	PMU100950	19%	30.5%	42.6%
ECO102023	PRT101807	35%	100%	100%
ECO102023	PAE205141	18%	17.7%	27.6%
ECO102023	PPU100174	21%	16.7%	24.5%
ECO102023	PSY107421	29%	84.1%	84.6%
ECO102023	SPA100423	63%	75.0%	100%
ECO102023	STY103566	75%	100%	100%
ECO102023	VCH101020	22%	99.7%	99.4%
ECO102023	YPS002349	46%	100%	100%
ECO102033	BAN106562	18%	82.8%	96.7%
ECO102033	BPT102716	50%	85.8%	94.0%
ECO102033	BCE108874	44%	82.5%	84.9%
ECO102033	BFU100768	44%	81.5%	82.9%
ECO102033	CDF100611	23%	67.9%	85.8%
ECO102033	EBC100477	78%	76.9%	100%
ECO102033	EFA202080	21%	59.1%	68.8%
ECO102033	ECO102033	100%	100%	100%
ECO102033	HIN100874	26%	62.3%	74.9%
ECO102033	HPY100954	21%	58.2%	71.0%
ECO102033	KPN307304	79%	86.9%	100%
ECO102033	LPN100326	30%	69.8%	86.1%
ECO102033	PMU101134	26%	72.8%	87.9%
ECO102033	PRT103182	57%	87.5%	98.1%
ECO102033	PAE202526	43%	86.6%	94.1%
ECO102033	PPU101036	50%	78.7%	93.1%
ECO102033	PSY102464	54%	65.1%	89.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102033	SPA100386	78%	98.5%	100%
ECO102033	STY104172	83%	89.4%	100%
ECO102033	STM103909	82%	89.4%	100%
ECO102033	SAU800197	20%	38.4%	43.8%
ECO102033	SEP201308	21%	69.6%	87.9%
ECO102033	SMU100791	25%	44.0%	49.2%
ECO102033	SPN400693	21%	71.8%	88.5%
ECO102033	VCH100897	27%	72.6%	89.2%
ECO102033	YPS003133	64%	87.3%	91.2%
ECO102035	ABA100532	30%	98.7%	98.8%
ECO102035	BAN104054	21%	39.2%	92.3%
ECO102035	BAN113400	23%	92.4%	93.5%
ECO102035	BAN111342	24%	98.8%	98.3%
ECO102035	BAN109301	26%	47.2%	98.6%
ECO102035	BPT102713	60%	98.9%	98.5%
ECO102035	BFU114052	49%	31.6%	84.8%
ECO102035	BFU103150	41%	62.5%	97.5%
ECO102035	BFU100826	52%	99.1%	99.0%
ECO102035	BMA107834	48%	99.1%	34.6%
ECO102035	CDF100351	26%	20.6%	99.5%
ECO102035	CDF103505	27%	98.6%	96.6%
ECO102035	CDP100571	24%	25.2%	29.9%
ECO102035	EBC101451	90%	97.5%	49.3%
ECO102035	ECO102035	100%	100%	100%
ECO102035	HPY100600	29%	97.4%	97.5%
ECO102035	KPN300214	93%	9.4%	95.0%
ECO102035	KPN304474	91%	100%	100%
ECO102035	LMO101639	21%	22.5%	23.7%
ECO102035	MAV103710	25%	18.8%	19.9%
ECO102035	PRT102326	72%	99.3%	99.1%
ECO102035	PAE202524	63%	48.2%	98.3%
ECO102035	PPU101032	55%	98.6%	98.1%
ECO102035	PSY101154	55%	99.2%	98.6%
ECO102035	SPA104062	86%	98.3%	100%
ECO102035	STY104175	91%	100%	99.9%
ECO102035	STM103911	91%	100%	99.9%
ECO102035	SHA100824	25%	98.0%	93.8%
ECO102035	SPY201593	25%	16.2%	30.0%
ECO102035	YPS003145	80%	99.4%	99.5%
ECO102040	ABA105133	66%	96.7%	97.1%
ECO102040	BAN113695	28%	85.7%	86.7%
ECO102040	BAN110083	31%	95.4%	93.7%
ECO102040	CJU100651	33%	89.2%	87.1%
ECO102040	CAC103116	36%	92.1%	93.6%
ECO102040	CAC103516	38%	92.1%	93.8%
ECO102040	CBO101395	37%	92.1%	92.9%
ECO102040	CDF101858	38%	96.0%	96.6%
ECO102040	EBC101308	88%	52.8%	100%
ECO102040	EFA200766	34%	94.3%	94.7%
ECO102040	EFM201535	34%	94.9%	95.9%
ECO102040	ECO102040	100%	100%	100%
ECO102040	HIN100399	79%	99.3%	98.7%
ECO102040	HPY100166	36%	87.2%	84.6%
ECO102040	KPN300020	88%	22.1%	99.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102040	KPN300423	98%	20.8%	89.5%
ECO102040	KPN304482	95%	99.8%	99.8%
ECO102040	LMO102686	33%	95.6%	97.1%
ECO102040	MCA100567	64%	94.5%	98.9%
ECO102040	NGO100452	58%	95.4%	97.8%
ECO102040	NME201774	60%	95.4%	97.8%
ECO102040	PMU100233	78%	99.8%	99.3%
ECO102040	PRT102329	83%	99.6%	98.3%
ECO102040	PAE205435	74%	99.6%	95.5%
ECO102040	PPU111450	72%	96.9%	97.1%
ECO102040	SPA104056	94%	94.0%	100%
ECO102040	STY104182	96%	100%	100%
ECO102040	STM103916	96%	100%	100%
ECO102040	SAU801612	33%	87.2%	85.3%
ECO102040	SEP201130	33%	87.2%	85.3%
ECO102040	SHA101196	31%	86.8%	84.8%
ECO102040	SMU100046	32%	94.9%	92.3%
ECO102040	SPN401281	22%	54.5%	88.4%
ECO102040	SPN401283	32%	94.9%	91.0%
ECO102040	SPY200427	33%	94.9%	92.3%
ECO102040	VCH100704	78%	99.8%	98.7%
ECO102040	YPS003165	83%	99.8%	97.4%
ECO102041	BCE114538	40%	51.4%	45.1%
ECO102041	EBC100818	72%	100%	100%
ECO102041	ECO102041	100%	100%	100%
ECO102041	KPN300790	58%	93.1%	100%
ECO102041	SPA102924	56%	93.1%	100%
ECO102041	STY102620	54%	86.1%	86.1%
ECO102041	STY102604	55%	93.1%	93.1%
ECO102041	STY103062	56%	93.1%	93.1%
ECO102041	YPS002733	53%	72.2%	64.2%
ECO102051	CAC101149	25%	85.8%	82.8%
ECO102051	CDF103902	45%	90.2%	96.2%
ECO102051	EFA200471	27%	85.8%	83.3%
ECO102051	EFM202569	31%	96.0%	94.9%
ECO102051	ECO102051	100%	100%	100%
ECO102051	KPN302059	87%	88.7%	97.8%
ECO102051	LMO102456	41%	91.4%	48.0%
ECO102051	SPA103907	87%	74.5%	94.4%
ECO102051	STY100949	85%	98.9%	97.6%
ECO102051	STM101688	85%	98.9%	97.6%
ECO102051	SAU800247	44%	91.4%	98.6%
ECO102056	BFR10950	64%	95.5%	97.8%
ECO102056	CPN200470	62%	93.6%	100%
ECO102056	CTR200480	62%	93.6%	100%
ECO102056	EBC101305	96%	51.3%	100%
ECO102056	ECO102056	100%	100%	100%
ECO102056	KPN300375	94%	29.7%	100%
ECO102056	KPN300279	80%	54.0%	100%
ECO102056	KPN305930	95%	93.6%	100%
ECO102056	PRT102331	88%	93.6%	100%
ECO102056	SPA100768	93%	99.2%	99.2%
ECO102056	STY104185	96%	93.6%	100%
ECO102057	EBC100332	90%	65.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102057	EFM103335	21%	66.8%	84.8%
ECO102057	ECO102057	100%	100%	100%
ECO102057	KPN300480	37%	24.7%	77.1%
ECO102057	KPN304405	37%	94.4%	100%
ECO102057	PRT104586	34%	94.6%	94.7%
ECO102057	SPA101211	89%	43.5%	100%
ECO102057	STY104186	94%	100%	100%
ECO102057	STM103926	94%	100%	100%
ECO102060	BPT100571	27%	89.9%	75.3%
ECO102060	BCE114915	32%	91.9%	93.4%
ECO102060	BFU102711	33%	92.7%	94.3%
ECO102060	BMA106091	31%	91.9%	91.9%
ECO102060	EBC100259	85%	79.4%	100%
ECO102060	ECO102060	100%	100%	100%
ECO102060	LMO102040	29%	87.9%	90.6%
ECO102060	PAE203754	30%	99.6%	98.8%
ECO102060	SPA101208	92%	100%	100%
ECO102060	STY104189	92%	100%	100%
ECO102060	YPS002288	28%	90.7%	84.9%
ECO102061	ABA105449	35%	74.5%	81.0%
ECO102061	BAN100724	32%	64.4%	100%
ECO102061	BFR103764	40%	85.5%	85.3%
ECO102061	CAC101945	25%	70.9%	52.4%
ECO102061	CAC102333	27%	68%	55.1%
ECO102061	CAC103064	27%	68%	55.2%
ECO102061	CAC100916	27%	75.6%	57.3%
ECO102061	CDP101400	36%	78.2%	58.1%
ECO102061	EFA201783	27%	69.5%	59.4%
ECO102061	ECO102061	100%	100%	100%
ECO102061	MAV105422	23%	62.9%	39.5%
ECO102061	PSY107807	29%	66.9%	95.2%
ECO102061	SEP201350	21%	68.7%	68.0%
ECO102061	SHA102214	21%	68.7%	72.0%
ECO102061	SMU101599	24%	58.9%	77.5%
ECO102065	BAN105349	45%	11.3%	39.1%
ECO102065	BPT100515	25%	92.0%	72.4%
ECO102065	BBU100615	33%	22.6%	16.2%
ECO102065	BFU110329	38%	17.9%	15.1%
ECO102065	CAC103749	38%	12.4%	22.9%
ECO102065	CBO102313	46%	16.4%	11.0%
ECO102065	CDP101428	29%	42.0%	32.3%
ECO102065	EBC101349	63%	99.6%	99.6%
ECO102065	ECO102065	100%	100%	100%
ECO102065	HPY101411	41%	11.7%	41.7%
ECO102065	HPY101406	47%	14.6%	53.3%
ECO102065	KPN302399	60%	99.3%	100%
ECO102065	LPN100694	26%	37.6%	40.4%
ECO102065	MAV106643	38%	21.2%	44.1%
ECO102065	MTU411238	33%	14.2%	10.3%
ECO102065	MGE100151	48%	9.9%	10.3%
ECO102065	PPU110820	60%	7.3%	20.7%
ECO102065	PSY108075	60%	99.3%	99.3%
ECO102065	SPA103445	75%	55.5%	90.5%
ECO102065	STM100110	77%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102065	TPA100552	25%	77.4%	59.9%
ECO102065	YPS003304	22%	75.9%	58.8%
ECO102066	ABA104340	37%	26.2%	35.4%
ECO102066	BCE100985	27%	34.3%	47.2%
ECO102066	BFU111670	34%	28.5%	37.4%
ECO102066	BMA108444	33%	31.4%	42.9%
ECO102066	EBC101816	63%	65.1%	100%
ECO102066	ECO102066	100%	100%	100%
ECO102066	KPN304485	66%	61.6%	94.3%
ECO102066	PPU110423	30%	55.2%	88.5%
ECO102066	PSY105412	28%	54.7%	86.6%
ECO102066	SPA103081	78%	66.3%	99.1%
ECO102066	STY104192	80%	64.0%	100%
ECO102066	STM103938	80%	64.0%	100%
ECO102075	ECO102077	35%	98.9%	58.8%
ECO102075	ECO102075	100%	100%	100%
ECO102087	BAN109609	38%	68.3%	32.8%
ECO102087	BAN103939	42%	72.4%	34.6%
ECO102087	BCE113462	50%	88.5%	84.3%
ECO102087	BFU103320	40%	78.6%	89.4%
ECO102087	BMA101918	48%	88.5%	77.9%
ECO102087	CDP101960	25%	82.3%	88.4%
ECO102087	EBC101969	79%	100%	99.2%
ECO102087	EFA201197	37%	76.1%	36.2%
ECO102087	EFM100592	41%	79.8%	77.6%
ECO102087	ECO102087	100%	100%	100%
ECO102087	KPN300432	73%	54.7%	89.3%
ECO102087	KPN308952	75%	99.2%	98.4%
ECO102087	MAV103177	31%	78.6%	72.7%
ECO102087	PAE203887	41%	78.6%	88.2%
ECO102087	PPU103928	43%	78.6%	89.4%
ECO102087	PSY104886	42%	78.6%	89.4%
ECO102087	SPA101283	85%	100%	100%
ECO102087	STY104213	85%	100%	100%
ECO102087	SAU800723	42%	77.8%	36.9%
ECO102087	SEP200779	42%	75.7%	35.7%
ECO102087	SHA101684	42%	77.8%	52.2%
ECO102087	SMU100859	36%	77.0%	36.6%
ECO102087	SPN401675	36%	76.1%	36.2%
ECO102087	SPY200861	37%	79.8%	37.5%
ECO102087	YPS000242	62%	97.5%	85.3%
ECO102091	BFR12227	47%	95.4%	99.5%
ECO102091	BFR100173	47%	95.9%	96.7%
ECO102091	BCE106341	29%	92.2%	96.0%
ECO102091	BCE114157	28%	94.8%	93.2%
ECO102091	BMA104139	32%	35.6%	71.2%
ECO102091	CAC101425	27%	74.2%	87.2%
ECO102091	EBC100545	93%	75.0%	100%
ECO102091	EFA200665	38%	94.0%	97.9%
ECO102091	ECO102091	100%	100%	100%
ECO102091	KPN308152	91%	100%	100%
ECO102091	LMO100590	40%	95.0%	98.8%
ECO102091	MAV102142	27%	83.8%	86.2%
ECO102091	MBV102634	28%	83.8%	88.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102091	MTU200185	28%	83.8%	88.0%
ECO102091	PAE201725	62%	100%	100%
ECO102091	PPU103399	60%	99.2%	99.9%
ECO102091	PSY103958	60%	100%	100%
ECO102091	SPA101478	92%	53.6%	99.8%
ECO102091	STY104221	92%	100%	100%
ECO102091	YPS001925	37%	95.4%	97.4%
ECO102096	CAC100302	38%	96.4%	98.0%
ECO102096	EBC102712	82%	67.6%	99.4%
ECO102096	EFA200448	32%	96.0%	93.8%
ECO102096	EFM201601	32%	96.0%	93.9%
ECO102096	ECO102096	100%	100%	100%
ECO102096	LPN101451	31%	96.0%	97.7%
ECO102096	PRT104799	35%	96.0%	92.5%
ECO102096	PSY105439	34%	98.0%	95.9%
ECO102096	SPA101528	78%	99.2%	100%
ECO102096	STY104231	80%	99.2%	99.2%
ECO102104	ECO102104	100%	100%	100%
ECO102104	SPA103486	56%	100%	100%
ECO102104	STY104257	59%	100%	97.5%
ECO102104	STM104010	59%	100%	97.5%
ECO102113	BPT102072	52%	99.3%	98.6%
ECO102113	BCE108135	37%	15.5%	19.4%
ECO102113	BCE103599	51%	99.3%	99.3%
ECO102113	BFU100632	53%	99.6%	98.6%
ECO102113	EBC101993	82%	99.3%	99.3%
ECO102113	ECO102113	100%	100%	100%
ECO102113	KPN302658	82%	99.3%	99.3%
ECO102113	MCA100219	55%	99.3%	99.3%
ECO102113	MAV104224	25%	69.1%	66.3%
ECO102113	MBV105322	30%	37.8%	32.0%
ECO102113	MLP101567	29%	30.2%	26.7%
ECO102113	MTU200768	30%	37.8%	31.1%
ECO102113	PAE203626	63%	99.3%	97.9%
ECO102113	PPU112106	62%	95.7%	94.7%
ECO102113	PSY100252	60%	91.0%	98.8%
ECO102113	SPA102638	85%	99.3%	100%
ECO102113	STY104279	87%	99.3%	96.8%
ECO102113	STM104028	86%	86.7%	98.4%
ECO102113	SMU101450	57%	99.3%	97.9%
ECO102113	YPS002263	73%	99.3%	97.9%
ECO102129	BFU103431	27%	96.7%	89.5%
ECO102129	EBC101476	87%	45.0%	100%
ECO102129	ECO102129	100%	100%	100%
ECO102129	KPN300529	77%	41.5%	100%
ECO102129	KPN301280	81%	100%	100%
ECO102129	MCA100396	21%	37.2%	38.2%
ECO102129	PSY105004	22%	90.3%	93.6%
ECO102129	SPA101502	89%	97.5%	97.9%
ECO102129	STY104305	90%	100%	100%
ECO102129	STM104054	90%	100%	100%
ECO102129	SAU800673	26%	94.9%	94.1%
ECO102129	SEP200718	25%	94.9%	94.5%
ECO102129	SPN401865	29%	31.8%	20%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102129	SPY102942	31%	19.3%	12.8%
ECO102136	ABA100843	34%	91.1%	98.4%
ECO102136	BCE108968	37%	93.6%	93.3%
ECO102136	BFU100533	36%	96.0%	91.1%
ECO102136	BMA105246	36%	45.4%	89.2%
ECO102136	EBC102152	77%	98.7%	99.5%
ECO102136	ECO102136	100%	100%	100%
ECO102136	HPY101235	38%	96.9%	98.8%
ECO102136	KPN305265	76%	98.7%	99.5%
ECO102136	PAE202056	40%	95.2%	96.3%
ECO102136	PAE201809	42%	93.7%	92.4%
ECO102136	PPU101200	43%	91.4%	89.7%
ECO102136	PSY103874	40%	94.4%	93.2%
ECO102136	SPA102470	87%	95.7%	100%
ECO102136	STY104319	86%	99.2%	100%
ECO102136	STM100148	86%	99.2%	100%
ECO102136	VCH103315	53%	95.2%	94.8%
ECO102136	YPS000357	68%	97.4%	98.0%
ECO102141	ABA104746	48%	11.9%	92.2%
ECO102141	ABA101188	29%	99.5%	97.8%
ECO102141	BAN112388	27%	97.5%	97.0%
ECO102141	BAN108740	30%	97.5%	92.8%
ECO102141	BFR101333	28%	90.4%	90.8%
ECO102141	BFR106060	28%	98.5%	95.5%
ECO102141	BPT102363	33%	96.5%	96.5%
ECO102141	BCE105915	41%	39.1%	62%
ECO102141	BFU106774	36%	91.2%	87.0%
ECO102141	BMA106590	33%	99.0%	96.5%
ECO102141	CJU100035	28%	98.2%	97.5%
ECO102141	CDP101654	29%	82.1%	89.8%
ECO102141	EBC102913	87%	99.7%	100%
ECO102141	EFM201550	22%	90.4%	93.8%
ECO102141	ECO102141	100%	100%	100%
ECO102141	HIN101214	42%	96.5%	96.0%
ECO102141	KPN301781	84%	99.7%	100%
ECO102141	MCA101373	30%	91.7%	90.4%
ECO102141	NME201886	30%	90.7%	88.3%
ECO102141	PMU100004	42%	97.0%	97.0%
ECO102141	PRT101139	61%	94.7%	100%
ECO102141	PAE204133	36%	94.7%	93.3%
ECO102141	PPU108255	30%	96.5%	97.2%
ECO102141	PSY102166	31%	97.2%	96.7%
ECO102141	SPA100234	91%	53.8%	100%
ECO102141	STY104329	93%	100%	100%
ECO102141	SAU802355	29%	95.2%	93.5%
ECO102141	SEP200901	32%	97.0%	94.8%
ECO102141	SHA101965	29%	97.2%	95.8%
ECO102141	VCH101607	48%	95.7%	94.5%
ECO102141	YPS000345	68%	100%	99.2%
ECO102144	ABA100156	46%	98.9%	96.9%
ECO102144	BFR10466	30%	91.5%	41.8%
ECO102144	BPT100615	48%	94.7%	44.1%
ECO102144	BBU100785	27%	93.6%	40.7%
ECO102144	BCE100941	47%	90.4%	42.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102144	BFU104372	34%	53.2%	30.7%
ECO102144	BMA104337	47%	90.4%	40.9%
ECO102144	CTR200177	25%	88.3%	46.5%
ECO102144	CBO100877	32%	78.7%	40.6%
ECO102144	CDP100213	27%	95.7%	43.9%
ECO102144	EBC102919	79%	100%	100%
ECO102144	EFA200510	25%	95.7%	45.0%
ECO102144	EFM200879	23%	95.7%	45.3%
ECO102144	ECO102144	100%	100%	100%
ECO102144	HIN101596	63%	98.9%	97.9%
ECO102144	KPN301785	87%	100%	100%
ECO102144	LPN100134	45%	63.8%	92.4%
ECO102144	LMO100830	27%	95.7%	43.0%
ECO102144	MCA100395	46%	97.9%	42.2%
ECO102144	MAV105518	38%	94.7%	40.2%
ECO102144	MBV105580	36%	94.7%	40.9%
ECO102144	MLP100176	33%	94.7%	40.9%
ECO102144	MTU201004	36%	94.7%	40.9%
ECO102144	NGO101086	40%	95.7%	47.4%
ECO102144	NME201008	40%	95.7%	47.4%
ECO102144	PMU100639	61%	98.9%	98.9%
ECO102144	PRT101142	65%	100%	100%
ECO102144	PAE204668	38%	97.9%	45.6%
ECO102144	PPU104091	39%	97.9%	46.7%
ECO102144	PSY102433	43%	97.9%	45.8%
ECO102144	STY104335	91%	100%	100%
ECO102144	STM100156	91%	100%	100%
ECO102144	SAU800501	26%	97.9%	42.4%
ECO102144	SEP201834	26%	97.9%	42.0%
ECO102144	SHA100294	26%	97.9%	41.6%
ECO102144	TPA100368	29%	88.3%	42.3%
ECO102144	VCH101613	60%	93.6%	94.6%
ECO102144	YPS000333	69%	98.9%	98.9%
ECO102158	BAN113007	25%	37.3%	54.4%
ECO102158	BAN100196	25%	56.4%	51.9%
ECO102158	BFU101537	38%	58.2%	100%
ECO102158	CBO100009	24%	45.5%	43.4%
ECO102158	CDP100250	29%	73.2%	58.1%
ECO102158	ECO102158	100%	100%	100%
ECO102158	HIN101066	65%	99.5%	99.1%
ECO102158	KPN303268	72%	95.9%	96.3%
ECO102158	LPN103411	42%	98.6%	96.0%
ECO102158	MCA100276	38%	88.6%	87.1%
ECO102158	MAV103621	25%	95.5%	76.8%
ECO102158	MBV100934	26%	81.4%	65.9%
ECO102158	MLP100370	26%	96.8%	77.4%
ECO102158	MTU201436	26%	81.4%	65.9%
ECO102158	PMU100006	66%	99.5%	99.1%
ECO102158	PAE201475	55%	99.1%	97.8%
ECO102158	PPU100226	54%	99.1%	98.2%
ECO102158	PSY101789	54%	99.1%	97.8%
ECO102158	SPA105501	67%	65.5%	86.4%
ECO102158	STY105178	86%	98.6%	99.5%
ECO102158	STY104020	85%	99.5%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102158	VCH102024	67%	98.6%	97.7%
ECO102158	YPS002274	77%	99.5%	100%
ECO102174	EBC104807	80%	39.9%	97.0%
ECO102174	ECO102174	100%	100%	100%
ECO102174	KPN305315	72%	39.4%	96.7%
ECO102174	PRT100254	30%	99.0%	99.8%
ECO102174	SPA102837	83%	100%	100%
ECO102174	STY100497	84%	100%	100%
ECO102174	STM100221	84%	100%	100%
ECO102175	BPT101953	31%	94.0%	77.9%
ECO102175	BCE104891	29%	98.1%	94.2%
ECO102175	BCE110834	42%	93.1%	86.2%
ECO102175	BCE110631	42%	93.1%	84.1%
ECO102175	BFU103402	30%	98.1%	93.9%
ECO102175	BFU101073	42%	94.4%	84.8%
ECO102175	BMA107754	37%	93.5%	96.2%
ECO102175	EBC101339	97%	100%	100%
ECO102175	ECO102175	100%	100%	100%
ECO102175	KPN302345	96%	100%	100%
ECO102175	PRT100255	90%	97.2%	96.3%
ECO102175	PAE204077	38%	94.4%	94.9%
ECO102175	PSY104929	41%	96.3%	100%
ECO102175	SPA102836	99%	100%	100%
ECO102175	STY100502	98%	100%	100%
ECO102175	STM100225	99%	100%	100%
ECO102175	YPS000270	91%	100%	99.5%
ECO102177	BAN100878	33%	35.7%	100%
ECO102177	BAN110444	33%	54.1%	97.6%
ECO102177	BFR10050	26%	37.8%	65.1%
ECO102177	BFR10471	23%	65.8%	90.1%
ECO102177	BFR103847	23%	66.4%	91.5%
ECO102177	BFR104769	31%	34.4%	91.3%
ECO102177	BFR102132	23%	64.0%	92.0%
ECO102177	BPT100807	27%	66.6%	60.9%
ECO102177	BBU100763	26%	55.1%	88.0%
ECO102177	BCE110046	33%	39.0%	67.8%
ECO102177	BFU102307	27%	45.6%	95.3%
ECO102177	BFU104735	25%	57.1%	23.6%
ECO102177	BFU115698	25%	26.8%	5.9%
ECO102177	BFU102033	27%	26.8%	5.8%
ECO102177	BFU108758	27%	26.8%	5.8%
ECO102177	CJU100732	32%	35.7%	62.5%
ECO102177	CPN200162	25%	54.8%	85.3%
ECO102177	CTR200741	25%	56.7%	92.6%
ECO102177	ECO102177	100%	100%	100%
ECO102177	HPY100240	28%	36.0%	55.4%
ECO102177	LPN100223	28%	54.8%	91.0%
ECO102177	NGO101717	23%	67.4%	60.3%
ECO102177	NME200153	23%	67.1%	60.1%
ECO102177	PMU101380	24%	70.1%	51.9%
ECO102177	PRT101476	23%	91.4%	74.8%
ECO102177	PAE201097	29%	66.6%	92.5%
ECO102177	PPU101155	31%	54.9%	55.0%
ECO102177	PSY103867	31%	54.9%	54.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102177	SAU800019	22%	98.0%	98.2%
ECO102177	SHA101256	25%	72.4%	73.4%
ECO102177	VCH101497	32%	49.5%	42.8%
ECO102186	BFR105684	34%	28.3%	24.6%
ECO102186	BCE102555	24%	22.8%	61.0%
ECO102186	BFU113675	44%	99.0%	82.5%
ECO102186	ECO102186	100%	100%	100%
ECO102186	PAE204487	54%	98.2%	86.4%
ECO102192	ABA101391	28%	96.3%	94.3%
ECO102192	ABA103347	28%	97.8%	95.5%
ECO102192	BFR100918	27%	91.6%	82.2%
ECO102192	BPT102917	28%	85.3%	67.3%
ECO102192	BCE106131	30%	84.1%	64.7%
ECO102192	BFU106485	29%	85.3%	65.5%
ECO102192	BMA101166	30%	84.1%	62.2%
ECO102192	CJU100024	28%	98.4%	99.7%
ECO102192	CPN200856	29%	95.8%	72.5%
ECO102192	CTR200209	31%	89.8%	67.8%
ECO102192	CAC101459	26%	90.0%	93.5%
ECO102192	CBO100410	27%	95.7%	97.8%
ECO102192	EBC104912	92%	43.2%	100%
ECO102192	ECO102192	100%	100%	100%
ECO102192	HIN101624	83%	100%	96.8%
ECO102192	HPY100672	26%	98.7%	99.9%
ECO102192	KPN309027	93%	100%	100%
ECO102192	LPN101523	28%	97.9%	82.3%
ECO102192	MCA102664	76%	40.1%	100%
ECO102192	NGO100273	77%	98.2%	99.9%
ECO102192	NME201367	77%	99.6%	99.3%
ECO102192	PMU100717	80%	100%	100%
ECO102192	PRT101668	85%	100%	100%
ECO102192	PAE201155	29%	85.9%	68.6%
ECO102192	PPU108076	28%	85.9%	68.9%
ECO102192	PSY104529	27%	85.9%	68.0%
ECO102192	SPA100868	94%	41.4%	100%
ECO102192	STY100522	96%	100%	100%
ECO102192	STM100241	96%	100%	100%
ECO102192	VCH101237	80%	100%	100%
ECO102192	YPS000266	90%	100%	100%
ECO102193	ABA103998	24%	83.0%	85.8%
ECO102193	ABA101388	23%	85.4%	94.2%
ECO102193	BFR10832	23%	90.4%	90.3%
ECO102193	BPT102919	25%	76.6%	67.8%
ECO102193	BCE105994	26%	76.9%	67.2%
ECO102193	BFU106488	27%	76.9%	65.9%
ECO102193	BMA101937	26%	76.9%	67.2%
ECO102193	CJU100204	25%	94.9%	96.8%
ECO102193	CPN200855	24%	76.9%	77.7%
ECO102193	CTR200210	25%	76.9%	77.7%
ECO102193	CAC103499	23%	91.2%	91.9%
ECO102193	CBO100701	22%	96.3%	97.1%
ECO102193	EBC102449	95%	100%	100%
ECO102193	ECO102193	100%	100%	100%
ECO102193	HIN101625	85%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102193	HPY100360	24%	91.8%	92.4%
ECO102193	KPN302355	97%	100%	100%
ECO102193	LPN102663	24%	77.7%	74.7%
ECO102193	LMO101175	25%	92.3%	91.7%
ECO102193	MCA101601	70%	100%	100%
ECO102193	NGO100274	82%	100%	98.2%
ECO102193	NME201364	81%	100%	100%
ECO102193	PMU100719	84%	100%	100%
ECO102193	PRT105222	88%	100%	100%
ECO102193	PAE201154	25%	76.9%	65.3%
ECO102193	PPU108078	25%	76.9%	65.1%
ECO102193	PSY104507	24%	76.9%	65.3%
ECO102193	SPA102116	93%	57.7%	100%
ECO102193	STY100524	98%	100%	100%
ECO102193	STM100243	98%	100%	100%
ECO102193	VCH101236	81%	100%	96.9%
ECO102193	YPS000265	88%	100%	100%
ECO102201	BCE103326	26%	98.2%	89.6%
ECO102201	BMA108589	26%	98.2%	91.2%
ECO102201	EBC100985	84%	99.2%	100%
ECO102201	ECO102201	100%	100%	100%
ECO102201	HIN100664	58%	99.2%	93.7%
ECO102201	HPY100658	23%	99.7%	98.2%
ECO102201	KPN302356	81%	99.7%	99.7%
ECO102201	MBV102204	20%	87.9%	41.3%
ECO102201	MLP101488	20%	87.9%	37.3%
ECO102201	PMU101440	59%	99.2%	93.7%
ECO102201	PRT102600	71%	99.7%	99.5%
ECO102201	SPA103570	87%	99.0%	100%
ECO102201	STY100540	94%	99.7%	99.7%
ECO102201	STM100259	94%	99.7%	99.7%
ECO102201	VCH103469	59%	99.2%	95.9%
ECO102201	YPS001321	72%	99.5%	97.8%
ECO102210	ECO102210	100%	100%	100%
ECO102210	PPU107669	36%	59%	50.9%
ECO102210	PSY104950	33%	54%	60.2%
ECO102210	PSY106018	34%	56.5%	48.7%
ECO102210	SPA103571	67%	99%	99.0%
ECO102210	STY100562	67%	99%	99.0%
ECO102210	SMU101847	28%	36.5%	40.3%
ECO102213	BCE112594	47%	97.7%	98.9%
ECO102213	BFU101145	58%	42.7%	76.8%
ECO102213	BMA102261	45%	98.2%	100%
ECO102213	EBC107404	77%	100%	100%
ECO102213	ECO102213	100%	100%	100%
ECO102213	KPN300107	55%	13.9%	86.0%
ECO102213	KPN304792	77%	99.5%	99.4%
ECO102213	PRT100983	68%	98.6%	98.6%
ECO102213	PAE203552	69%	98.3%	97.9%
ECO102213	SPA103579	86%	50.9%	98.8%
ECO102213	STY100570	79%	100%	100%
ECO102213	STM100287	79%	100%	100%
ECO102213	YPS003031	71%	98.6%	97.6%
ECO102216	BMA101178	31%	35.6%	63.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102216	CBO102059	30%	50.9%	93.2%
ECO102216	EBC104300	50%	56.8%	97.7%
ECO102216	ECO102216	100%	100%	100%
ECO102216	KPN304764	51%	56.8%	100%
ECO102216	PRT101259	38%	53.2%	90.2%
ECO102216	PAE203556	36%	53.2%	83.2%
ECO102216	SPA100716	56%	97.3%	100%
ECO102216	STY100576	68%	55.0%	97.6%
ECO102216	STM100295	68%	55.0%	97.6%
ECO102216	SMU100452	30%	41.4%	44.9%
ECO102216	YPS003015	33%	55.9%	96.9%
ECO102227	ECO102227	100%	100%	100%
ECO102227	SPA103572	28%	88.8%	96.2%
ECO102227	STY100542	28%	83.6%	97.2%
ECO102227	STM100261	29%	83.6%	97.2%
ECO102229	BFR104644	31%	32.6%	34.1%
ECO102229	BCE105027	36%	27.7%	29.8%
ECO102229	BMA104789	29%	43.4%	32.8%
ECO102229	ECO102229	100%	100%	100%
ECO102229	LPN102350	25%	83.4%	62.5%
ECO102229	LPN102353	26%	62.5%	68.9%
ECO102229	VCH103533	31%	38.8%	25.1%
ECO102233	BPT103695	32%	20.5%	26.9%
ECO102233	ECO102233	100%	100%	100%
ECO102233	STY103757	27%	43.8%	18.7%
ECO102253	EBC103027	89%	100%	100%
ECO102253	ECO102253	100%	100%	100%
ECO102253	HIN101178	44%	93.4%	98.6%
ECO102253	KPN300467	95%	45.0%	100%
ECO102253	KPN301394	89%	100%	100%
ECO102253	PMU100703	47%	93.4%	98.6%
ECO102253	PRT104902	65%	100%	100%
ECO102253	SPA102050	95%	82.8%	100%
ECO102253	STY100981	94%	100%	100%
ECO102253	VCH101080	44%	95.4%	96.1%
ECO102253	YPS000483	70%	100%	100%
ECO102255	ABA104878	49%	99.3%	99.0%
ECO102255	BAN106141	33%	43.8%	99.7%
ECO102255	BAN102570	46%	43.8%	96.9%
ECO102255	BFR101415	47%	42.9%	93.2%
ECO102255	CJU100638	48%	45.4%	64.9%
ECO102255	CAC102832	45%	43.8%	96.4%
ECO102255	CDF100616	23%	44.1%	97.3%
ECO102255	CDF100432	25%	43.0%	94.1%
ECO102255	CDP101294	42%	59.5%	91.4%
ECO102255	EBC104962	90%	100%	100%
ECO102255	EFA202248	44%	42.7%	93.9%
ECO102255	EFM200028	39%	26.9%	93.7%
ECO102255	ECO102255	100%	100%	100%
ECO102255	HIN101176	69%	99.7%	100%
ECO102255	HPY200837	49%	31.8%	8.5%
ECO102255	KPN305976	96%	99.3%	99.9%
ECO102255	LMO100950	47%	43.1%	94.8%
ECO102255	MCA101508	63%	23.8%	1.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102255	MAV101929	37%	97.5%	96.7%
ECO102255	MBV102834	37%	99.3%	98.8%
ECO102255	MTU200407	37%	99.3%	98.8%
ECO102255	MPN100413	36%	44.1%	97.5%
ECO102255	NGO100804	67%	15.5%	11.2%
ECO102255	NME200777	67%	15.5%	11.2%
ECO102255	PMU100705	69%	99.7%	100%
ECO102255	PRT100628	82%	99.4%	100%
ECO102255	PAE200834	55%	99.0%	98.9%
ECO102255	PPU103956	49%	98.7%	100%
ECO102255	PSY102379	51%	97.6%	99.4%
ECO102255	SPA102048	88%	70.4%	93.3%
ECO102255	STY100983	96%	100%	99.9%
ECO102255	STM100723	96%	100%	99.9%
ECO102255	SAU800588	42%	43.0%	94.8%
ECO102255	SEP200137	44%	43.0%	94.8%
ECO102255	SHA101700	45%	43.0%	94.8%
ECO102255	SMU100210	45%	42.7%	92.7%
ECO102255	SPN401007	48%	43.1%	95.1%
ECO102255	SPY200858	44%	43.3%	94.0%
ECO102255	UUR100064	24%	35.4%	82.9%
ECO102255	VCH101078	74%	100%	99.9%
ECO102255	YPS000496	87%	99.7%	99.2%
ECO102259	ABA103937	50%	98.6%	100%
ECO102259	BPT100934	51%	93.9%	85.5%
ECO102259	BCE105657	29%	67.8%	71.4%
ECO102259	BFU101725	25%	86.9%	83.9%
ECO102259	EBC103024	70%	76.6%	100%
ECO102259	ECO102259	100%	100%	100%
ECO102259	KPN302840	71%	79.4%	100%
ECO102259	PAE204399	30%	85.0%	86.3%
ECO102259	PPU107709	26%	88.3%	92.9%
ECO102259	PSY103869	27%	85.5%	91.5%
ECO102259	SPA103767	80%	100%	100%
ECO102259	STY100992	81%	100%	100%
ECO102266	ABA105182	60%	98.7%	98.3%
ECO102266	BCE111438	62%	99.6%	99.1%
ECO102266	BFU115309	62%	99.6%	97.4%
ECO102266	BMA105998	61%	99.6%	99.1%
ECO102266	EBC103021	91%	100%	100%
ECO102266	ECO102266	100%	100%	100%
ECO102266	KPN302806	86%	100%	100%
ECO102266	MCA102171	40%	99.6%	95%
ECO102266	PAE202922	63%	98.2%	97.8%
ECO102266	PPU106919	51%	100%	100%
ECO102266	PSY100833	57%	98.7%	88.6%
ECO102266	SPA103776	91%	99.6%	100%
ECO102266	STY100997	91%	100%	100%
ECO102266	VCH101832	47%	96.5%	92.3%
ECO102266	YPS002431	77%	100%	100%
ECO102267	BCE106677	54%	99.6%	92.8%
ECO102267	BMA104068	55%	99.2%	78.7%
ECO102267	EBC103019	93%	100%	100%
ECO102267	ECO102267	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102267	KPN302841	90%	99.6%	99.6%
ECO102267	PAE202921	50%	97.7%	96.6%
ECO102267	SPA103777	98%	100%	100%
ECO102267	STY100998	97%	100%	100%
ECO102267	YPS002427	76%	99.6%	98.9%
ECO102274	ABA101266	56%	88.2%	89.3%
ECO102274	BAN103283	52%	85.2%	88.6%
ECO102274	BFR11899	25%	61.8%	34.0%
ECO102274	BFR11219	26%	61.2%	33.5%
ECO102274	BFR11611	29%	61.8%	34.2%
ECO102274	BPT100791	62%	91.8%	96.9%
ECO102274	BCE105100	71%	43.4%	97.1%
ECO102274	BFU114977	63%	92.8%	98.6%
ECO102274	BMA103750	63%	92.8%	98.6%
ECO102274	CJU100116	53%	82.6%	89.6%
ECO102274	CPN200705	52%	82.6%	81.5%
ECO102274	CTR200558	52%	82.6%	88.7%
ECO102274	CAC103552	51%	88.8%	93.7%
ECO102274	CDF101011	52%	85.9%	90.8%
ECO102274	CDP100046	34%	74.3%	44.1%
ECO102274	EBC101249	98%	82.9%	100%
ECO102274	EFA200246	45%	85.9%	89.2%
ECO102274	EFM200144	43%	86.2%	89.3%
ECO102274	ECO102274	100%	100%	100%
ECO102274	HIN101232	75%	93.1%	96.3%
ECO102274	HPY100934	49%	83.6%	87.9%
ECO102274	KPN302817	97%	100%	100%
ECO102274	LPN101645	69%	67.4%	93.6%
ECO102274	LMO101514	47%	90.5%	92.5%
ECO102274	MCA101005	62%	60.2%	97.3%
ECO102274	MAV105603	36%	82.2%	48.4%
ECO102274	MBV105423	39%	80.6%	48.3%
ECO102274	MLP100443	27%	61.2%	31.5%
ECO102274	MTU200895	39%	80.6%	48.3%
ECO102274	NGO100954	60%	91.1%	96.9%
ECO102274	NME200815	60%	91.1%	96.9%
ECO102274	PMU100636	75%	93.1%	94.1%
ECO102274	PRT103138	75%	29.6%	72.6%
ECO102274	PRT100424	81%	99.7%	96.6%
ECO102274	PAE203110	71%	88.8%	93.1%
ECO102274	PPU105860	67%	92.1%	93.6%
ECO102274	PSY101722	69%	93.4%	93.1%
ECO102274	SPA100127	63%	70.7%	100%
ECO102274	STY101011	98%	100%	100%
ECO102274	SAU801701	47%	86.8%	91.6%
ECO102274	SEP201705	46%	86.8%	91.6%
ECO102274	SHA100922	46%	86.8%	90.6%
ECO102274	SMU100531	44%	89.5%	91.7%
ECO102274	SPN400386	43%	86.2%	89.6%
ECO102274	SPY201343	45%	84.5%	87.8%
ECO102274	VCH100983	73%	100%	98.7%
ECO102274	YPS002401	86%	97.4%	98.0%
ECO102277	BAN105110	35%	68.2%	95.2%
ECO102277	BAN110285	34%	97.6%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102277	BFR101725	35%	97.3%	98.2%
ECO102277	BPT104802	28%	33.8%	22.8%
ECO102277	CJU100951	33%	98.8%	98.8%
ECO102277	CPN200789	26%	70.6%	68.2%
ECO102277	CTR200632	23%	82.2%	79.6%
ECO102277	CAC102778	25%	32.0%	34.7%
ECO102277	CAC100810	20%	100%	100%
ECO102277	CBO102584	33%	97.6%	87.9%
ECO102277	CDF102483	33%	96.1%	96.4%
ECO102277	CDP101635	31%	96.7%	99.1%
ECO102277	EBC101246	88%	100%	100%
ECO102277	EFA200749	32%	98.2%	96.6%
ECO102277	EFM202572	32%	96.7%	96.1%
ECO102277	ECO102277	100%	100%	100%
ECO102277	HIN101399	31%	97.6%	97.8%
ECO102277	HPY101172	27%	96.1%	97.1%
ECO102277	KPN302836	88%	100%	100%
ECO102277	LPN102579	40%	99.7%	100%
ECO102277	LMO102054	32%	98.8%	98.8%
ECO102277	MAV103165	34%	97.3%	98.8%
ECO102277	MBV102870	32%	94.1%	99.7%
ECO102277	MLP101382	31%	98.8%	99.1%
ECO102277	MTU203654	32%	98.2%	99.4%
ECO102277	PMU100486	32%	99.1%	99.4%
ECO102277	PRT101099	59%	100%	100%
ECO102277	PAE203114	38%	99.7%	100%
ECO102277	PPU105849	39%	98.8%	99.1%
ECO102277	PSY101677	37%	90.8%	100%
ECO102277	SPA102819	88%	100%	100%
ECO102277	STY101017	89%	100%	100%
ECO102277	SAU801394	29%	97.0%	97.6%
ECO102277	SEP202102	29%	96.7%	97.3%
ECO102277	SHA100967	30%	96.7%	97.3%
ECO102277	SMU100090	28%	97.3%	95.0%
ECO102277	SPN400918	32%	97.3%	95.0%
ECO102277	VCH102075	47%	99.4%	99.4%
ECO102277	YPS002391	71%	100%	100%
ECO102278	ABA100261	41%	92.9%	97.5%
ECO102278	BFR105970	40%	93.9%	99.1%
ECO102278	EBC101245	88%	99.7%	99.7%
ECO102278	ECO102278	100%	100%	100%
ECO102278	KPN300235	87%	37.3%	96.6%
ECO102278	KPN302833	85%	100%	100%
ECO102278	LPN100171	32%	83.3%	100%
ECO102278	MCA101758	36%	92.3%	98.9%
ECO102278	PRT101100	69%	98.9%	99.7%
ECO102278	PAE201374	47%	93.7%	94.7%
ECO102278	PPU100882	45%	93.7%	94.5%
ECO102278	PSY104726	50%	93.7%	94.5%
ECO102278	SPA102820	85%	99.7%	100%
ECO102278	STY101019	89%	99.7%	99.7%
ECO102278	VCH102076	49%	97.9%	95.9%
ECO102278	YPS002383	72%	97.9%	98.7%
ECO102294	BCE109553	50%	55.2%	80.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102294	EBC101870	53%	93.2%	100%
ECO102294	ECO102294	100%	100%	100%
ECO102294	KPN300579	41%	88.4%	98.7%
ECO102294	PRT103789	43%	86%	86.6%
ECO102294	PRT105512	48%	96.4%	98.0%
ECO102294	PRT100542	51%	92.4%	93.7%
ECO102294	SPA103175	62%	95.2%	96%
ECO102294	STY103518	51%	93.6%	92.2%
ECO102294	STM103181	62%	95.2%	96%
ECO102294	YPS002774	43%	93.2%	97.1%
ECO102295	ECO102295	100%	100%	100%
ECO102299	BPT101732	31%	96.8%	96.0%
ECO102299	BCE107836	35%	84.3%	95.4%
ECO102299	BFU100376	38%	18.6%	73.4%
ECO102299	BFU101790	36%	97.3%	95.1%
ECO102299	BMA108007	33%	96.9%	98.6%
ECO102299	EBC103285	81%	96.9%	100%
ECO102299	ECO102299	100%	100%	100%
ECO102299	KPN302810	77%	98.9%	99.0%
ECO102299	LPN101186	32%	92.7%	95.1%
ECO102299	MAV106193	34%	94.7%	97.9%
ECO102299	MAV102403	34%	95.0%	97.5%
ECO102299	MBV101858	34%	94.4%	97.9%
ECO102299	MLP101294	33%	95.7%	98.3%
ECO102299	MTU200851	34%	95.7%	98.2%
ECO102299	PRT104299	59%	98.7%	100%
ECO102299	SPA101277	84%	96.1%	99.7%
ECO102299	STY101059	85%	99.7%	99.6%
ECO102299	VCH101028	56%	98.9%	97.7%
ECO102299	YPS002312	64%	98.7%	93.7%
ECO102300	ABA105679	38%	96.6%	80.7%
ECO102300	BFU113756	39%	96.6%	97.7%
ECO102300	EBC103287	93%	100%	98.6%
ECO102300	ECO102300	100%	100%	100%
ECO102300	KPN302809	88%	100%	99.1%
ECO102300	LPN103520	34%	97.0%	96.1%
ECO102300	MCA101138	38%	96.8%	99.1%
ECO102300	MAV102113	37%	98.6%	88.7%
ECO102300	MBV104788	38%	96.8%	97.0%
ECO102300	MLP101512	36%	96.8%	93.4%
ECO102300	MTU200242	38%	96.8%	97.0%
ECO102300	PRT104089	76%	97.2%	97.7%
ECO102300	PAE204781	37%	96.6%	98.6%
ECO102300	PPU105718	39%	97.5%	99.5%
ECO102300	PSY102192	39%	88.8%	97.7%
ECO102300	SPA101278	81%	100%	100%
ECO102300	STY101068	93%	100%	100%
ECO102300	SMU101700	25%	15.6%	28.8%
ECO102300	VCH101027	73%	98.2%	88.4%
ECO102300	YPS002308	80%	100%	100%
ECO102301	EBC103289	80%	98.0%	100%
ECO102301	ECO102301	100%	100%	100%
ECO102301	HIN100380	44%	90.2%	96.8%
ECO102301	KPN302808	85%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102301	PMU101070	50%	90.2%	85.2%
ECO102301	PRT106011	58%	92.2%	95.9%
ECO102301	SPA101279	90%	100%	100%
ECO102301	STY101071	93%	92.2%	100%
ECO102301	YPS002304	63%	92.2%	95.9%
ECO102302	ABA100283	20%	55.1%	57.5%
ECO102302	BFU113190	21%	85.3%	89.4%
ECO102302	EBC103291	75%	100%	100%
ECO102302	ECO102302	100%	100%	100%
ECO102302	HIN100381	39%	98.2%	99.3%
ECO102302	HPY100826	19%	78.3%	71.7%
ECO102302	KPN300868	76%	84.4%	100%
ECO102302	LPN103173	25%	94.0%	90.4%
ECO102302	MCA101962	22%	60.3%	49.4%
ECO102302	NGO101776	25%	46.0%	79.5%
ECO102302	NME200172	23%	93.8%	90.9%
ECO102302	PMU101069	45%	100%	97.1%
ECO102302	PRT101022	59%	99.6%	100%
ECO102302	PAE201287	25%	94.0%	93.2%
ECO102302	PPU104562	26%	98.9%	99.8%
ECO102302	PSY104544	27%	97.8%	97.9%
ECO102302	SPA103147	94%	44.4%	99.5%
ECO102302	STY101074	91%	100%	100%
ECO102302	STM100858	91%	100%	100%
ECO102302	SAU301338	26%	19.0%	47.1%
ECO102302	VCH103582	38%	97.8%	99.0%
ECO102302	YPS002300	63%	100%	100%
ECO102303	CAC101472	28%	40.3%	25.6%
ECO102303	CBO100325	26%	40.3%	82.5%
ECO102303	ECO102303	100%	100%	100%
ECO102303	SMU100480	27%	21.9%	54.9%
ECO102304	ABA100317	37%	77.3%	63.5%
ECO102304	BPT102103	35%	96.0%	91.3%
ECO102304	BCE101609	36%	94.8%	77.2%
ECO102304	BFU102908	37%	92.8%	65.7%
ECO102304	BMA105727	38%	89.6%	70.2%
ECO102304	CJU101295	32%	77.3%	82.8%
ECO102304	EBC103292	88%	100%	100%
ECO102304	ECO102304	100%	100%	100%
ECO102304	HIN100697	41%	98.8%	98.8%
ECO102304	KPN300867	88%	100%	100%
ECO102304	NGO101284	32%	84.1%	76.2%
ECO102304	NME200455	32%	82.1%	73.8%
ECO102304	PMU101501	48%	98.0%	98.0%
ECO102304	PRT104688	67%	99.2%	94.3%
ECO102304	PAE202798	33%	91.2%	92.3%
ECO102304	PPU109914	33%	90.8%	94.5%
ECO102304	PSY102933	33%	82.5%	86.7%
ECO102304	SPA103149	93%	84.9%	100%
ECO102304	STY101077	94%	100%	100%
ECO102304	VCH102018	46%	88.4%	87.4%
ECO102304	YPS002296	75%	99.6%	99.2%
ECO102306	EBC101290	42%	69.1%	96.0%
ECO102306	EBC103212	47%	98.7%	95.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102306	ECO102306	100%	100%	100%
ECO102306	PRT104903	47%	98.7%	95.5%
ECO102306	PSY100759	35%	97.4%	94.5%
ECO102306	PSY104073	36%	97.9%	98.0%
ECO102306	SPN202986	22%	86.0%	93.9%
ECO102306	SPN201140	23%	86.0%	93.6%
ECO102306	YPS002735	47%	97.9%	96.2%
ECO102309	BAN101643	28%	27.5%	13.0%
ECO102309	BAN102231	28%	27.5%	35.8%
ECO102309	BFR101716	23%	17.4%	20.3%
ECO102309	BBU100071	22%	71.6%	71.0%
ECO102309	CAC100251	24%	95.9%	93.6%
ECO102309	CBO100594	28%	19.6%	44.6%
ECO102309	ECO102309	100%	100%	100%
ECO102309	SPA107090	21%	32.3%	35.9%
ECO102309	STY105066	21%	32.3%	35.9%
ECO102309	SAU802647	29%	12.4%	12.2%
ECO102309	SPN202910	24%	33.4%	40.1%
ECO102310	ECO101129	93%	83.3%	47.5%
ECO102310	ECO102310	100%	100%	100%
ECO102310	STY100513	59%	79.8%	44.4%
ECO102310	STY102589	85%	90.4%	49.7%
ECO102324	CDF100186	28%	77.5%	84.5%
ECO102324	EFM101276	25%	78.5%	99.5%
ECO102324	ECO102324	100%	100%	100%
ECO102324	MLP100958	25%	80.7%	78.5%
ECO102324	MTU203196	26%	80.3%	39.4%
ECO102324	MTU203674	27%	82.4%	40.3%
ECO102324	SAU802352	27%	95.9%	75.9%
ECO102324	SEP200058	26%	94.3%	72.9%
ECO102324	SMU101282	28%	79.3%	86.9%
ECO102324	SMU101105	26%	78.7%	71.1%
ECO102325	BAN112247	28%	28.4%	49.1%
ECO102325	BAN106780	34%	28.4%	50.2%
ECO102325	BBU100140	23%	24.8%	29.6%
ECO102325	ECO102325	100%	100%	100%
ECO102325	KPN105518	45%	33.9%	97.0%
ECO102325	SAU802353	31%	9.0%	35.3%
ECO102325	SEP200059	30%	29.2%	51.6%
ECO102325	SHA101967	32%	28.4%	50.2%
ECO102325	VCH101389	39%	87.9%	92.9%
ECO102327	BAN105225	32%	31.9%	98.1%
ECO102327	BFR103042	23%	10.5%	45.1%
ECO102327	BFR101189	21%	12.6%	23.2%
ECO102327	BFR105724	27%	9.4%	22.0%
ECO102327	BFR100047	23%	16.2%	95.5%
ECO102327	BFR104792	38%	8.3%	27.0%
ECO102327	BFR106019	34%	9.3%	84.8%
ECO102327	BFR104322	32%	9.4%	87.5%
ECO102327	BFR10160	24%	22.6%	88.4%
ECO102327	BFR11362	30%	14.6%	56.4%
ECO102327	BFR101143	34%	12.3%	61.1%
ECO102327	BFR100846	26%	21.6%	37.9%
ECO102327	BFR101230	28%	20.8%	36.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102327	BFR101426	28%	20.8%	47.7%
ECO102327	BFR100955	30%	19.5%	99.1%
ECO102327	BFR104184	26%	29.7%	27.9%
ECO102327	BFR102180	24%	26.3%	90.7%
ECO102327	BFR101650	31%	20.8%	29.7%
ECO102327	BFR105953	32%	19.5%	30.9%
ECO102327	BFR101152	25%	33.1%	31.4%
ECO102327	BFR10010	30%	20.0%	95.1%
ECO102327	BFR100177	28%	20.4%	38.3%
ECO102327	BFR10421	30%	21.0%	63.9%
ECO102327	BFR105397	27%	33.9%	50.4%
ECO102327	BFR100838	25%	30.8%	29.0%
ECO102327	BFR100736	32%	20.7%	61.7%
ECO102327	BFR101753	33%	21.3%	26.4%
ECO102327	BFR11164	36%	19.7%	42.2%
ECO102327	BFR11210	25%	39.3%	90.7%
ECO102327	BFR12194	26%	31.2%	61.9%
ECO102327	BFR100523	33%	20.9%	28.0%
ECO102327	BFR100487	27%	35.1%	32.1%
ECO102327	BFR102042	29%	32.4%	46.3%
ECO102327	BFR100456	32%	30.6%	56.0%
ECO102327	BFR104593	28%	39.4%	60.0%
ECO102327	BFR11399	32%	32.2%	45.8%
ECO102327	BFR101340	30%	32.6%	37.6%
ECO102327	BFR102465	33%	30.9%	97.9%
ECO102327	BPT101258	28%	98.7%	97.7%
ECO102327	BCE113373	26%	21.2%	85.6%
ECO102327	BCE110418	33%	33.3%	89.7%
ECO102327	BFU107834	32%	32.7%	36.0%
ECO102327	BMA108695	31%	29.7%	48.3%
ECO102327	CDF101251	22%	57.6%	98.8%
ECO102327	ECO102327	100%	100%	100%
ECO102327	KPN301629	48%	8.5%	1.2%
ECO102327	PAE203042	33%	51.6%	84.3%
ECO102327	PAE203943	28%	97.0%	97.3%
ECO102327	PPU101764	28%	95.8%	95.2%
ECO102327	PSY105580	34%	38.9%	99.4%
ECO102327	VCH101626	23%	92.5%	98.3%
ECO102335	ABA103657	35%	83.5%	98.2%
ECO102335	ABA100510	33%	91.5%	96.5%
ECO102335	EBC101559	83%	93.6%	86.0%
ECO102335	ECO102335	100%	100%	100%
ECO102335	HPY100276	23%	76.2%	79.3%
ECO102335	KPN300200	71%	46.0%	100%
ECO102335	KPN308311	70%	91.8%	99.3%
ECO102335	MCA102793	31%	88.7%	86.7%
ECO102335	NME103365	28%	79.3%	88.8%
ECO102335	SPA103016	87%	99.7%	100%
ECO102335	STY101117	91%	93.3%	100%
ECO102335	STM100888	90%	93.3%	100%
ECO102335	YPS003046	67%	91.5%	98.4%
ECO102336	ABA101400	26%	91.7%	93.4%
ECO102336	BAN111058	36%	81.3%	89.0%
ECO102336	BAN110656	38%	86.4%	90.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102336	BFR105861	34%	87.6%	98.9%
ECO102336	BPT101343	79%	95.4%	99.5%
ECO102336	BCE112311	29%	93.0%	96.0%
ECO102336	BMA108485	28%	93.9%	92.8%
ECO102336	CJU100139	53%	93.4%	98%
ECO102336	CPN200256	24%	89.8%	93.2%
ECO102336	CTR200659	26%	84.0%	87.8%
ECO102336	CAC101393	31%	91.3%	96.6%
ECO102336	CBO103831	28%	86.7%	90.0%
ECO102336	CDP100538	27%	86.4%	92.6%
ECO102336	EBC101560	94%	71.4%	98.7%
ECO102336	EFA100818	30%	86.2%	89.8%
ECO102336	EFM201340	30%	86.2%	90.5%
ECO102336	ECO102336	100%	100%	100%
ECO102336	KPN301772	96%	98.1%	100%
ECO102336	LPN101493	64%	95.6%	99.2%
ECO102336	LMO101321	37%	93.7%	97.5%
ECO102336	MBV101440	30%	90.3%	97.5%
ECO102336	MLP100918	31%	90.3%	96.2%
ECO102336	MTU201162	30%	90.3%	97.5%
ECO102336	NGO101128	26%	93.4%	99.5%
ECO102336	NME201026	26%	93.4%	99.5%
ECO102336	PAE204711	90%	98.3%	98.5%
ECO102336	PPU109673	89%	96.8%	99.3%
ECO102336	PSY103563	88%	97.1%	99.5%
ECO102336	SPA103017	94%	100%	100%
ECO102336	STY101128	95%	100%	100%
ECO102336	SAU802560	32%	84.7%	89.6%
ECO102336	SEP201196	32%	84.7%	89.1%
ECO102336	SHA101775	31%	86.4%	90.9%
ECO102336	SMU101230	29%	86.2%	90.3%
ECO102336	SPN400035	30%	86.9%	91.5%
ECO102336	SPY200468	26%	89.3%	93.2%
ECO102336	YPS000566	87%	99.8%	100%
ECO102340	ECO102340	100%	100%	100%
ECO102340	PAE203757	32%	79.2%	76.8%
ECO102346	BAN100855	23%	90.2%	92.9%
ECO102346	CDP100903	24%	38.5%	56.9%
ECO102346	EBC100292	78%	57.2%	100%
ECO102346	ECO102346	100%	100%	100%
ECO102346	KPN301764	77%	97.6%	99.3%
ECO102346	LMO102180	20%	78.9%	82.4%
ECO102346	MLP101425	23%	36.6%	50.5%
ECO102346	PPU103355	25%	30.9%	28.2%
ECO102346	SPA100138	79%	56.7%	96.7%
ECO102346	STY101134	80%	97.6%	99.3%
ECO102346	STM100894	80%	97.6%	99.3%
ECO102351	ECO100572	100%	99.5%	100%
ECO102351	ECO100016	100%	99.5%	100%
ECO102351	ECO102351	100%	100%	100%
ECO102351	KPN301837	28%	24.5%	33.5%
ECO102351	KPN301756	28%	24.5%	25.9%
ECO102351	PPU112458	31%	21.5%	17.3%
ECO102351	PPU110183	31%	21.5%	18.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102351	PPU100534	31%	21.5%	17.3%
ECO102351	PPU111918	31%	21.5%	17.3%
ECO102351	PPU111424	31%	21.5%	17.3%
ECO102351	PPU109580	31%	21.5%	17.3%
ECO102351	STY100108	28%	24.5%	25.9%
ECO102355	ABA100922	34%	98.5%	97.5%
ECO102355	BAN110804	31%	97.7%	98.6%
ECO102355	BAN108869	35%	97.7%	99.2%
ECO102355	BFR102616	29%	94.3%	99.6%
ECO102355	BPT102905	52%	96.6%	92.7%
ECO102355	BBU100371	34%	99.4%	100%
ECO102355	BCE100150	61%	57.3%	98.6%
ECO102355	BFU100071	49%	95.1%	98.5%
ECO102355	BMA103736	49%	97.5%	98.9%
ECO102355	CJU101212	43%	97.7%	98.3%
ECO102355	CPN200187	32%	96.6%	92.3%
ECO102355	CTR200720	30%	98.1%	93.5%
ECO102355	CAC101596	36%	97.9%	98.4%
ECO102355	CBO103047	38%	97.9%	97.1%
ECO102355	CDF100252	36%	97.0%	98.4%
ECO102355	CDP100231	32%	96.6%	96.0%
ECO102355	EBC100212	90%	98.5%	100%
ECO102355	EFA200192	38%	97.7%	98.4%
ECO102355	EFM202131	38%	97.9%	99.6%
ECO102355	ECO102355	100%	100%	100%
ECO102355	HIN100261	72%	98.5%	96.5%
ECO102355	HPY100472	42%	97.5%	98.9%
ECO102355	KPN300278	93%	47.8%	100%
ECO102355	LPN103492	59%	99.2%	99.1%
ECO102355	LMO101411	37%	97.0%	97.8%
ECO102355	MCA102322	33%	98.1%	96.1%
ECO102355	MAV101415	33%	93.4%	97.7%
ECO102355	MBV101327	34%	97.2%	100%
ECO102355	MLP101032	34%	97.5%	96.0%
ECO102355	MTU202954	34%	98.1%	98.2%
ECO102355	MGE100471	32%	97.9%	98.6%
ECO102355	MPN100164	34%	95.8%	96.5%
ECO102355	NGO100018	46%	97.0%	99.6%
ECO102355	NME200234	48%	97.0%	99.6%
ECO102355	PMU101115	73%	98.5%	96.5%
ECO102355	PRT100735	85%	99.6%	99.4%
ECO102355	PAE203132	37%	98.1%	95.3%
ECO102355	PPU101878	35%	99.6%	97.6%
ECO102355	PSY105734	36%	99.6%	97.6%
ECO102355	SPA103535	84%	100%	100%
ECO102355	STY101161	95%	92.6%	92.0%
ECO102355	SAU800528	37%	97.2%	99.0%
ECO102355	SEP201872	38%	96.8%	98.6%
ECO102355	SHA101478	36%	93.8%	99.6%
ECO102355	SMU100660	37%	97.9%	98.8%
ECO102355	SPN401878	38%	98.5%	99.2%
ECO102355	SPY200174	37%	97.5%	99.2%
ECO102355	TPA100665	34%	97.9%	97.4%
ECO102355	UUR100606	32%	98.5%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102355	VCH102180	69%	99.4%	92.5%
ECO102355	YPS000590	84%	100%	100%
ECO102363	ABA103642	25%	41.8%	40.3%
ECO102363	BAN108766	23%	45.4%	55.4%
ECO102363	BCE101681	29%	35.7%	76.4%
ECO102363	BCE111898	32%	30.2%	68.3%
ECO102363	EBC101051	87%	47.6%	100%
ECO102363	ECO102363	100%	100%	100%
ECO102363	HIN101075	28%	95.4%	98.5%
ECO102363	KPN301039	65%	81.1%	100%
ECO102363	MBV104175	29%	31.4%	5.3%
ECO102363	MBV100194	34%	23.2%	27.8%
ECO102363	MTU300292	33%	34.8%	23.7%
ECO102363	MPN100388	27%	49.4%	66.8%
ECO102363	PMU101695	30%	97.0%	99.7%
ECO102363	PRT102268	41%	99.1%	99.1%
ECO102363	PAE201527	37%	50%	57.4%
ECO102363	PPU105011	27%	97.0%	95.3%
ECO102363	PSY103901	36%	45.7%	52.1%
ECO102363	SPA103530	80%	100%	100%
ECO102363	STY101188	80%	100%	100%
ECO102363	TPA100365	33%	36.0%	20.7%
ECO102363	VCH100954	39%	98.5%	97.9%
ECO102363	YPS000610	53%	99.7%	99.1%
ECO102403	CJU100562	20%	70.3%	61.7%
ECO102403	CDF102160	47%	95.8%	94.9%
ECO102403	CDF104311	53%	96.6%	97.0%
ECO102403	EFA201797	54%	95.8%	96.4%
ECO102403	ECO102403	100%	100%	100%
ECO102403	KPN306809	88%	52.0%	100%
ECO102403	LMO101643	55%	95.8%	94.6%
ECO102403	NME201309	27%	30.6%	27.8%
ECO102403	PAE201490	30%	97.3%	95.1%
ECO102403	SPA100275	83%	100%	100%
ECO102403	STY101540	96%	100%	100%
ECO102403	SMU102926	24%	21.3%	27.3%
ECO102415	ABA100008	42%	55.1%	100%
ECO102415	ABA100811	51%	97.8%	94.8%
ECO102415	CPN200680	48%	97.5%	94.2%
ECO102415	CTR200579	50%	97.5%	94.8%
ECO102415	CDP100260	36%	30.4%	24.7%
ECO102415	EBC103692	84%	100%	100%
ECO102415	ECO102415	100%	100%	100%
ECO102415	HPY201384	24%	88.0%	88.9%
ECO102415	KPN304355	85%	100%	99.4%
ECO102415	MAV101559	35%	43.7%	63.8%
ECO102415	MBV100249	34%	43.7%	36.5%
ECO102415	MLP100365	35%	43.7%	36.3%
ECO102415	MTU201429	34%	43.7%	36.5%
ECO102415	NGO100798	31%	47.2%	41.9%
ECO102415	NME300318	34%	47.2%	41.9%
ECO102415	SPA100353	82%	49.4%	92.3%
ECO102415	STY101570	89%	100%	100%
ECO102415	STM101333	89%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102420	BAN105583	28%	36.6%	52.9%
ECO102420	BAN102074	28%	36.6%	52.7%
ECO102420	CDF103262	24%	34.8%	47.0%
ECO102420	EBC100809	63%	51.8%	88.8%
ECO102420	ECO102420	100%	100%	100%
ECO102420	HIN100254	38%	97.9%	98.9%
ECO102420	MAV102966	31%	35.9%	23.8%
ECO102420	NGO100196	27%	94.5%	95.6%
ECO102420	NME201296	28%	95.4%	96.4%
ECO102420	PMU101591	41%	97.9%	98.6%
ECO102420	PPU111874	33%	33.7%	81.1%
ECO102420	SPA100988	86%	82.7%	100%
ECO102420	STY101591	87%	99.8%	99.8%
ECO102420	STM101354	88%	99.5%	99.5%
ECO102420	VCH103397	42%	98.4%	96.6%
ECO102425	EBC102366	59%	98.5%	98.9%
ECO102425	ECO102425	100%	100%	100%
ECO102425	HIN101226	37%	43.7%	84.1%
ECO102425	KPN306928	63%	99.4%	99.9%
ECO102425	PMU101043	39%	87.0%	90.5%
ECO102425	PRT102552	44%	97.2%	100%
ECO102425	SPA100012	67%	8.6%	100%
ECO102425	SPA102785	67%	94.3%	100%
ECO102425	STY101609	71%	98.7%	98.5%
ECO102425	VCH103825	31%	69.0%	66.2%
ECO102425	YPS000834	51%	95.8%	94.4%
ECO102432	ABA100511	31%	32.1%	65.4%
ECO102432	CAC100970	32%	32.6%	11.1%
ECO102432	ECO102432	100%	100%	100%
ECO102432	MCA100789	33%	24.8%	50.5%
ECO102432	PRT105668	54%	94.0%	100%
ECO102432	PSY106056	28%	34.9%	78.5%
ECO102454	BFR101754	22%	27.2%	58.1%
ECO102454	BBU100362	26%	48.2%	53.1%
ECO102454	EBC102725	68%	68.0%	98.8%
ECO102454	EFM201772	25%	18.1%	20.3%
ECO102454	ECO102454	100%	100%	100%
ECO102454	KPN305737	63%	47.9%	99.2%
ECO102454	SPA103104	72%	98.1%	100%
ECO102454	STY101669	72%	98.1%	99.5%
ECO102454	SMU100183	23%	34.9%	32.4%
ECO102462	ABA100688	52%	97.0%	98.5%
ECO102462	BAN111369	34%	90.1%	98.2%
ECO102462	BAN112079	40%	90.1%	97.9%
ECO102462	BFR10077	37%	23.5%	71.0%
ECO102462	BPT100007	51%	93.2%	99.8%
ECO102462	BBU100507	31%	71.6%	34.4%
ECO102462	BCE100856	49%	92.8%	98.4%
ECO102462	BFU105505	51%	92.8%	99.8%
ECO102462	BMA102074	51%	92.8%	99.8%
ECO102462	CJU100354	32%	89.7%	96.5%
ECO102462	CPN201006	32%	72.6%	32.0%
ECO102462	CTR200076	33%	72.8%	32.0%
ECO102462	CAC100098	40%	91.5%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102462	CBO101866	39%	90.9%	98.4%
ECO102462	CDF102465	36%	90.9%	98.0%
ECO102462	CDP101065	34%	90.9%	78.2%
ECO102462	EBC102035	92%	97.4%	100%
ECO102462	EFA201884	38%	90.1%	97.9%
ECO102462	ECO102462	100%	100%	100%
ECO102462	HIN100129	70%	97.0%	99.2%
ECO102462	HPY100821	31%	93.6%	99.8%
ECO102462	KPN305977	91%	97.4%	100%
ECO102462	LPN101429	55%	97.4%	100%
ECO102462	LMO102523	41%	90.1%	97.9%
ECO102462	MCA101523	54%	30.4%	71.6%
ECO102462	MAV102019	35%	92.6%	93.8%
ECO102462	MBV105348	35%	92.6%	94.4%
ECO102462	MLP100852	34%	73.4%	34.4%
ECO102462	MTU201691	35%	92.6%	94.4%
ECO102462	MGE100337	34%	90.3%	96.7%
ECO102462	MPN100366	34%	15.5%	43.5%
ECO102462	NGO101003	48%	97.4%	95.3%
ECO102462	NME200978	48%	97.4%	95.3%
ECO102462	PMU100105	69%	97.0%	99.2%
ECO102462	PRT102921	79%	97.4%	100%
ECO102462	PAE203796	59%	97.0%	98.0%
ECO102462	PPU112339	60%	97.0%	98.2%
ECO102462	PSY106808	64%	65.6%	85.2%
ECO102462	PSY103809	59%	97.0%	97.4%
ECO102462	SPA102739	95%	99.8%	100%
ECO102462	STY101715	97%	97.4%	100%
ECO102462	SAU801475	42%	90.1%	97.9%
ECO102462	SEP200461	42%	90.1%	97.9%
ECO102462	SHA101409	42%	90.1%	97.9%
ECO102462	SMU101355	36%	90.3%	98.2%
ECO102462	SPN401552	37%	90.3%	98.2%
ECO102462	SPY200248	37%	90.5%	98.4%
ECO102462	TPA100681	28%	91.3%	95%
ECO102462	UUR100386	34%	90.5%	97.5%
ECO102462	VCH100750	72%	97.4%	99.8%
ECO102462	YPS003216	81%	97.4%	100%
ECO102463	ABA100690	26%	97.2%	96.6%
ECO102463	BAN100167	18%	43.9%	32.2%
ECO102463	BFR105944	23%	87.8%	41.9%
ECO102463	BFR11585	21%	90.1%	26.6%
ECO102463	BPT100009	28%	98.2%	95.8%
ECO102463	BCE109201	32%	95.9%	94.8%
ECO102463	BFU112086	31%	96.2%	95.0%
ECO102463	BMA102173	30%	90.3%	90.6%
ECO102463	CBO103865	22%	51.8%	33.7%
ECO102463	EBC102802	87%	99.5%	76.5%
ECO102463	ECO102463	100%	100%	100%
ECO102463	KPN305713	89%	100%	100%
ECO102463	LPN101809	30%	91.1%	95.1%
ECO102463	MCA101522	28%	64.0%	79.3%
ECO102463	MLP101057	28%	43.6%	45.6%
ECO102463	MTU409282	42%	13.0%	29.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102463	PRT102922	63%	100%	100%
ECO102463	PAE203797	31%	97.2%	97.4%
ECO102463	PPU103985	30%	97.2%	97.1%
ECO102463	PSY107526	28%	39.3%	98.6%
ECO102463	PSY103806	29%	87.8%	94.1%
ECO102463	SPA102740	91%	100%	100%
ECO102463	STY101717	91%	100%	100%
ECO102463	SMU100069	23%	33.7%	20.8%
ECO102463	VCH100749	45%	98.5%	97.2%
ECO102463	YPS003220	76%	100%	100%
ECO102466	ABA100666	44%	23.7%	94.6%
ECO102466	ABA101467	63%	97.3%	97.6%
ECO102466	BAN111145	46%	84.9%	86.1%
ECO102466	BAN100549	47%	97.8%	98.4%
ECO102466	BFR11690	37%	89.8%	90.2%
ECO102466	BPT100015	31%	93.0%	93.1%
ECO102466	BCE101925	31%	82.0%	75.5%
ECO102466	BFU107038	34%	88.7%	85.8%
ECO102466	BMA104846	35%	88.7%	90.4%
ECO102466	CJU100636	41%	92.7%	96.1%
ECO102466	CPN200377	38%	86.8%	91.5%
ECO102466	CTR200322	40%	84.4%	91.3%
ECO102466	CAC102226	48%	93.0%	99.1%
ECO102466	CBO102775	47%	91.9%	98.0%
ECO102466	CDF100537	49%	91.7%	97.2%
ECO102466	CDP101104	44%	97.0%	91.6%
ECO102466	EBC102799	96%	100%	100%
ECO102466	ECO102466	100%	100%	100%
ECO102466	HIN100347	88%	97.3%	98.6%
ECO102466	HPY100617	45%	95.2%	98.1%
ECO102466	KPN305822	99%	99.7%	99.5%
ECO102466	LMO102690	49%	97.0%	98.1%
ECO102466	MCA101518	59%	99.5%	99.2%
ECO102466	MAV106393	42%	94.6%	92.4%
ECO102466	MBV102284	43%	94.9%	92.9%
ECO102466	MLP100964	45%	87.4%	83.2%
ECO102466	MTU202830	43%	94.9%	91.5%
ECO102466	NGO100207	33%	92.5%	92.6%
ECO102466	NME201384	33%	92.5%	92.6%
ECO102466	PMU102010	88%	96.5%	98.1%
ECO102466	PRT106101	87%	100%	100%
ECO102466	PAE203800	73%	97.3%	97.3%
ECO102466	PPU101373	71%	97.3%	97.8%
ECO102466	PSY103798	71%	96.2%	96.7%
ECO102466	SPA101922	97%	100%	100%
ECO102466	STY101723	98%	100%	100%
ECO102466	TPA100442	38%	90.6%	86.4%
ECO102466	VCH100746	85%	100%	99.2%
ECO102466	YPS003233	86%	99.7%	99.2%
ECO102467	ABA105298	28%	10.1%	24.3%
ECO102467	BAN102965	21%	47.2%	61.1%
ECO102467	BAN100109	21%	47.2%	56.4%
ECO102467	BPT104503	23%	35.9%	77.4%
ECO102467	BCE107711	25%	93.2%	91.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102467	BFU107885	26%	93.2%	88.6%
ECO102467	BMA105226	25%	93.2%	91.1%
ECO102467	CDP101012	31%	28.5%	24.0%
ECO102467	EBC102798	79%	100%	100%
ECO102467	EFA201529	22%	82.5%	98.6%
ECO102467	ECO102467	100%	100%	100%
ECO102467	HIN100346	24%	89.3%	92.1%
ECO102467	KPN304056	77%	100%	100%
ECO102467	LPN100742	28%	53.4%	96.8%
ECO102467	LMO100900	20%	94.7%	97.1%
ECO102467	MBV100599	34%	29.1%	33.1%
ECO102467	MTU202164	34%	29.1%	33.1%
ECO102467	PMU102009	26%	93.5%	95.9%
ECO102467	PRT105472	43%	97.6%	99.1%
ECO102467	PAE203801	29%	92.6%	93.7%
ECO102467	PPU101372	30%	93.2%	94.6%
ECO102467	PSY103796	36%	16.3%	94.7%
ECO102467	SPA101923	82%	100%	100%
ECO102467	STY101725	81%	100%	100%
ECO102467	SAU501460	26%	23.7%	61.5%
ECO102467	SEP201584	26%	33.8%	90.8%
ECO102467	SMU100616	26%	43.0%	17.2%
ECO102467	SPN402025	21%	47.2%	58.3%
ECO102467	VCH100745	35%	97.0%	88.8%
ECO102467	YPS003236	57%	98.5%	100%
ECO102470	BFR106150	31%	84.4%	100%
ECO102470	BPT101227	45%	96.8%	95.7%
ECO102470	BCE114473	36%	54.0%	97.5%
ECO102470	BMA100851	31%	67.4%	76.4%
ECO102470	EBC102795	83%	58.6%	100%
ECO102470	ECO102470	100%	100%	100%
ECO102470	KPN300051	52%	7.4%	100%
ECO102470	KPN308496	76%	98.7%	98.7%
ECO102470	LPN103343	29%	94.5%	94.7%
ECO102470	PMU100644	28%	98.1%	97.8%
ECO102470	PRT102900	60%	98.2%	97.9%
ECO102470	PPU105748	59%	96.4%	97.4%
ECO102470	PSY100879	58%	97.1%	99.3%
ECO102470	SPA100488	80%	43.5%	100%
ECO102470	STY102000	82%	98.8%	98.7%
ECO102473	BAN110554	27%	34.1%	76.7%
ECO102473	BAN101059	26%	43.3%	84.8%
ECO102473	EBC103107	88%	98.9%	100%
ECO102473	ECO102473	100%	100%	100%
ECO102473	KPN308674	81%	98.9%	100%
ECO102473	PRT102904	38%	42.9%	81.6%
ECO102473	SPA102272	89%	100%	100%
ECO102473	STY102006	89%	100%	100%
ECO102473	YPS003275	43%	95.4%	84.5%
ECO102501	ECO102501	100%	100%	100%
ECO102501	KPN304071	65%	99.2%	99.2%
ECO102507	EBC101718	84%	92.7%	100%
ECO102507	ECO102507	100%	100%	100%
ECO102507	KPN300399	73%	27.0%	91.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102507	KPN303134	78%	95.0%	99.6%
ECO102507	PRT104136	60%	91.7%	100%
ECO102507	SPA101717	68%	99.6%	100%
ECO102507	STY102061	86%	92.7%	99.8%
ECO102507	YPS003367	71%	95.6%	98.1%
ECO102508	ABA104968	57%	99.9%	100%
ECO102508	BAN111337	22%	57.7%	90.6%
ECO102508	BAN102784	24%	57.7%	89.3%
ECO102508	BFR10864	33%	80.2%	98.0%
ECO102508	BPT100477	53%	99.7%	99.6%
ECO102508	BCE106362	55%	93.7%	99.9%
ECO102508	BFU101352	54%	55.6%	100%
ECO102508	BMA106567	54%	97.3%	99.8%
ECO102508	CJU100885	22%	58.1%	91.6%
ECO102508	CAC101045	22%	84.6%	83.5%
ECO102508	CBO100623	23%	85.7%	84.8%
ECO102508	CDF101443	22%	88.9%	98.3%
ECO102508	CDP101519	24%	83.8%	82.7%
ECO102508	EBC100610	92%	40.5%	100%
ECO102508	EFA200566	24%	58.1%	90.4%
ECO102508	EFM202343	26%	28.6%	89.1%
ECO102508	ECO102508	100%	100%	100%
ECO102508	HIN100732	69%	99.6%	97.9%
ECO102508	KPN300196	91%	12.1%	90.8%
ECO102508	KPN303137	91%	100%	100%
ECO102508	LPN102188	24%	33.9%	96.2%
ECO102508	LMO100467	23%	60.8%	94.3%
ECO102508	MCA101372	53%	99.7%	99.7%
ECO102508	MAV103029	26%	40.2%	93.9%
ECO102508	MBV101894	26%	57.9%	87.9%
ECO102508	MLP101323	26%	57.9%	89.3%
ECO102508	MTU200797	26%	57.9%	89.3%
ECO102508	NGO100513	55%	99.7%	99.5%
ECO102508	NME200415	55%	99.7%	99.5%
ECO102508	PMU101085	73%	99.7%	99.7%
ECO102508	PRT101464	75%	99.8%	99.8%
ECO102508	PAE203760	65%	99.6%	99.7%
ECO102508	PPU103524	65%	99.6%	99.7%
ECO102508	PSY103799	65%	99.6%	99.7%
ECO102508	SPA101716	86%	42.7%	100%
ECO102508	STY102064	93%	100%	100%
ECO102508	SAU801069	23%	62.2%	95.6%
ECO102508	SEP200756	24%	58.1%	89.6%
ECO102508	SHA101252	23%	56.6%	97.8%
ECO102508	SMU101241	25%	83.8%	82.7%
ECO102508	SPN400046	23%	83.8%	82.6%
ECO102508	SPY200019	24%	83.8%	81.6%
ECO102508	VCH100853	74%	99.9%	100%
ECO102508	YPS003373	82%	99.9%	100%
ECO102512	EBC102616	76%	100%	100%
ECO102512	ECO102512	100%	100%	100%
ECO102512	KPN303133	78%	92.2%	100%
ECO102512	SPA103316	75%	99.0%	100%
ECO102512	STY102085	82%	92.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102512	STM101842	83%	92.2%	100%
ECO102512	YPS003387	60%	92.2%	100%
ECO102513	ABA100098	65%	87.2%	93.7%
ECO102513	BPT103139	57%	89.5%	91.6%
ECO102513	BCE114785	61%	89.5%	86.4%
ECO102513	BFU111724	50%	72.1%	98.4%
ECO102513	BFU100595	59%	89.5%	89.4%
ECO102513	BMA105131	61%	89.5%	60.8%
ECO102513	CJU100323	49%	84.9%	88.9%
ECO102513	CAC103521	42%	65.1%	89.3%
ECO102513	CBO100419	42%	65.1%	84.7%
ECO102513	CDF103036	41%	65.1%	63.3%
ECO102513	EBC102617	91%	100%	100%
ECO102513	ECO102513	100%	100%	100%
ECO102513	HIN100506	73%	100%	100%
ECO102513	HPY100273	44%	97.7%	100%
ECO102513	KPN303135	94%	100%	100%
ECO102513	MCA100048	62%	89.5%	91.6%
ECO102513	MAV105676	27%	30.2%	50.4%
ECO102513	MAV101610	28%	46.5%	72.2%
ECO102513	NGO102756	58%	89.5%	91.6%
ECO102513	NME200144	57%	89.5%	91.6%
ECO102513	PMU101858	72%	100%	100%
ECO102513	PRT105191	75%	84.9%	100%
ECO102513	PAE200361	58%	89.5%	91.6%
ECO102513	PPU102180	62%	89.5%	91.6%
ECO102513	PSY102752	57%	52.3%	84.6%
ECO102513	SPA103322	95%	100%	100%
ECO102513	STY102097	95%	100%	100%
ECO102513	STM101854	94%	100%	100%
ECO102513	VCH100703	76%	93.0%	95.2%
ECO102513	YPS003406	79%	100%	100%
ECO102553	ABA100455	69%	96.5%	91.0%
ECO102553	BFR102397	56%	83.5%	82.1%
ECO102553	BPT100242	64%	97.4%	92.9%
ECO102553	BBU100698	49%	97.4%	93.4%
ECO102553	BCE107881	67%	97.4%	90%
ECO102553	BFU102066	65%	99.1%	92.2%
ECO102553	BMA100174	66%	97.4%	90.7%
ECO102553	CJU100664	51%	93.9%	93.2%
ECO102553	CPN200643	44%	97.4%	92.6%
ECO102553	CTR200292	43%	97.4%	92.6%
ECO102553	CAC102258	55%	97.4%	98.2%
ECO102553	CBO102492	47%	99.1%	100%
ECO102553	CDF103914	53%	100%	99.1%
ECO102553	CDP101148	52%	96.5%	98.2%
ECO102553	EBC100906	98%	100%	100%
ECO102553	EFA202298	58%	97.4%	97.4%
ECO102553	EFM202223	58%	97.4%	97.4%
ECO102553	ECO102553	100%	100%	100%
ECO102553	HIN100191	89%	99.1%	98.3%
ECO102553	HPY101130	51%	93.9%	93.2%
ECO102553	KPN301017	98%	100%	100%
ECO102553	LPN101449	69%	100%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102553	LMO102632	57%	97.4%	98.2%
ECO102553	MCA100220	68%	99.1%	94.3%
ECO102553	MAV102886	54%	96.5%	98.2%
ECO102553	MBV102292	53%	96.5%	98.2%
ECO102553	MLP100984	52%	96.5%	98.2%
ECO102553	MTU202866	53%	96.5%	98.2%
ECO102553	MGE100453	47%	95.7%	91.6%
ECO102553	MPN100184	47%	95.7%	91.6%
ECO102553	NGO102004	67%	97.4%	95.0%
ECO102553	NME200732	68%	97.4%	95.0%
ECO102553	PMU101298	87%	99.1%	98.3%
ECO102553	PRT100819	96%	100%	98.3%
ECO102553	PAE203739	73%	98.3%	97.4%
ECO102553	PPU107802	71%	99.1%	98.3%
ECO102553	PSY103791	69%	99.1%	98.3%
ECO102553	SPA101891	97%	100%	100%
ECO102553	STY102215	97%	100%	100%
ECO102553	SAU801241	55%	94.8%	94.0%
ECO102553	SEP201534	57%	97.4%	98.3%
ECO102553	SMU100257	57%	97.4%	97.4%
ECO102553	SPN401170	58%	97.4%	97.4%
ECO102553	SPY200530	57%	97.4%	97.4%
ECO102553	TPA100899	51%	97.4%	91.1%
ECO102553	UUR100573	47%	94.8%	88.6%
ECO102553	VCH100554	83%	99.1%	97.4%
ECO102553	YPS003417	93%	99.1%	99.1%
ECO102554	ABA100452	51%	93.7%	99.2%
ECO102554	BFR103869	44%	88.6%	100%
ECO102554	BPT101155	52%	95.3%	98.8%
ECO102554	BBU100697	42%	85.9%	90.8%
ECO102554	BCE110744	55%	86.3%	84.8%
ECO102554	BFU102064	51%	96.5%	98.1%
ECO102554	BMA102082	58%	86.3%	84.8%
ECO102554	CJU100663	34%	87.5%	96.6%
ECO102554	CPN200644	52%	88.6%	61.5%
ECO102554	CTR200291	50%	87.5%	62.2%
ECO102554	CAC101341	49%	92.2%	95.5%
ECO102554	CBO102927	46%	94.1%	97.5%
ECO102554	CDF104123	47%	85.9%	95.2%
ECO102554	CDP101153	37%	89.8%	92.8%
ECO102554	EBC100905	96%	100%	100%
ECO102554	EFA202296	46%	95.3%	98.8%
ECO102554	ECO102554	100%	100%	100%
ECO102554	HIN100192	83%	95.7%	99.2%
ECO102554	HPY101131	32%	88.2%	98.3%
ECO102554	KPN300514	99%	44.3%	100%
ECO102554	LPN101866	57%	94.9%	96.8%
ECO102554	LMO102506	46%	94.1%	98.4%
ECO102554	MCA100037	51%	94.5%	99.6%
ECO102554	MAV103396	42%	87.8%	95.0%
ECO102554	MBV102286	42%	87.5%	98.3%
ECO102554	MLP100985	42%	87.5%	95.0%
ECO102554	MTU202868	42%	87.5%	98.3%
ECO102554	MGE100454	39%	87.5%	94.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102554	MPN100183	40%	82.4%	97.6%
ECO102554	NGO102006	55%	97.3%	99.6%
ECO102554	NME200733	56%	97.3%	99.6%
ECO102554	PMU101297	80%	96.1%	100%
ECO102554	PRT100820	84%	96.9%	98.8%
ECO102554	PAE203740	66%	94.1%	95.6%
ECO102554	PPU107801	65%	94.5%	96.4%
ECO102554	PSY102681	67%	94.5%	93.4%
ECO102554	SPA101890	94%	100%	100%
ECO102554	STY102217	96%	100%	100%
ECO102554	SAU801240	44%	94.5%	97.6%
ECO102554	SEP201533	44%	94.5%	97.6%
ECO102554	SMU100806	48%	95.3%	98.8%
ECO102554	SPN400687	49%	94.5%	98.3%
ECO102554	SPY200632	48%	94.5%	96.7%
ECO102554	TPA100898	43%	95.3%	97.2%
ECO102554	UUR100574	41%	88.2%	96.9%
ECO102554	VCH100553	78%	96.9%	100%
ECO102554	YPS003421	91%	95.7%	99.2%
ECO102555	ABA100450	38%	93.5%	96.2%
ECO102555	BFR104790	24%	91.9%	90.6%
ECO102555	BPT101152	29%	91.9%	93.7%
ECO102555	BBU100696	26%	78.4%	84.9%
ECO102555	BCE100840	29%	93.5%	79.1%
ECO102555	BFU106135	31%	93.5%	73.0%
ECO102555	BMA100086	27%	93.5%	77.7%
ECO102555	CJU100662	24%	88.1%	90.5%
ECO102555	CAC100852	28%	87.0%	91.0%
ECO102555	CBO102176	23%	88.1%	92.1%
ECO102555	CDF102281	25%	87.6%	90.6%
ECO102555	CDP101154	23%	84.3%	89.2%
ECO102555	EBC100904	95%	24.3%	100%
ECO102555	EFA202294	28%	91.9%	95.4%
ECO102555	ECO102555	100%	100%	100%
ECO102555	HIN100193	68%	90.8%	94.4%
ECO102555	HPY101132	24%	81.1%	85.9%
ECO102555	KPN300513	92%	74.1%	100%
ECO102555	LPN101155	37%	91.4%	95.9%
ECO102555	LMO101858	25%	87.6%	92.4%
ECO102555	MCA100472	30%	91.4%	99.4%
ECO102555	MAV103398	33%	88.6%	94.3%
ECO102555	MBV102283	29%	88.6%	93.8%
ECO102555	MLP100986	31%	88.6%	90.5%
ECO102555	MTU202869	29%	88.6%	93.8%
ECO102555	NGO102007	36%	89.2%	93.5%
ECO102555	NME200734	36%	89.2%	93.5%
ECO102555	PMU101296	65%	90.8%	94.4%
ECO102555	PRT104604	75%	100%	100%
ECO102555	PAE203741	39%	92.4%	96.6%
ECO102555	PPU103409	37%	95.7%	98.3%
ECO102555	PSY103789	37%	67.6%	100%
ECO102555	SPA101889	93%	98.4%	100%
ECO102555	STY102219	93%	98.4%	100%
ECO102555	SAU801239	25%	87.0%	92.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102555	SEP201532	25%	88.1%	94.0%
ECO102555	SMU100803	28%	87.0%	91.3%
ECO102555	SPN400686	23%	87.6%	91.9%
ECO102555	SPY200631	24%	87.6%	91.9%
ECO102555	TPA100897	30%	40.5%	42.5%
ECO102555	VCH100552	60%	100%	100%
ECO102555	YPS003425	81%	98.4%	100%
ECO102556	ABA100463	69%	98.8%	97.6%
ECO102556	BFR103669	43%	87.8%	33.0%
ECO102556	BPT101149	58%	93.9%	89.5%
ECO102556	BBU100694	44%	95.1%	88.4%
ECO102556	BCE101287	59%	98.8%	95.2%
ECO102556	BFU106133	59%	98.8%	72.7%
ECO102556	BMA105933	58%	98.8%	95.2%
ECO102556	CJU100660	45%	90.2%	96%
ECO102556	CPN200645	33%	90.2%	59.7%
ECO102556	CTR200290	35%	90.2%	61.2%
ECO102556	CAC102507	46%	91.5%	90.1%
ECO102556	CBO102241	48%	92.7%	87.1%
ECO102556	CDF104187	44%	90.2%	77.4%
ECO102556	CDP101155	38%	91.5%	46.5%
ECO102556	EFA201163	47%	92.7%	81.3%
ECO102556	ECO102556	100%	100%	100%
ECO102556	HIN100194	70%	100%	100%
ECO102556	HPY101134	47%	90.2%	94.7%
ECO102556	KPN203248	91%	84.1%	94.5%
ECO102556	LPN102433	56%	97.6%	93.0%
ECO102556	LMO101675	45%	90.2%	80%
ECO102556	MCA100471	60%	100%	100%
ECO102556	MAV103402	35%	91.5%	42.9%
ECO102556	MBV102277	37%	91.5%	45.1%
ECO102556	MLP100988	38%	91.5%	45.6%
ECO102556	MTU202871	37%	91.5%	45.1%
ECO102556	MGE100455	37%	85.4%	76.4%
ECO102556	MPN100182	32%	85.4%	77.3%
ECO102556	NGO102008	66%	93.9%	95.1%
ECO102556	NME200735	64%	98.8%	100%
ECO102556	PRT100822	76%	86.6%	74.0%
ECO102556	PAE203742	59%	98.8%	97.6%
ECO102556	PPU107799	60%	100%	75.2%
ECO102556	PSY103786	52%	97.6%	94.1%
ECO102556	SPA101888	97%	100%	80.4%
ECO102556	STY102221	97%	100%	100%
ECO102556	SAU801238	39%	92.7%	82.4%
ECO102556	SEP201531	42%	85.4%	75.8%
ECO102556	SHA102521	51%	57.3%	92.2%
ECO102556	SMU100800	50%	92.7%	81.3%
ECO102556	SPN400682	47%	92.7%	82.2%
ECO102556	SPY200625	44%	98.8%	87.8%
ECO102556	TPA100895	45%	89.0%	58.5%
ECO102556	UUR100575	40%	54.9%	44.6%
ECO102556	VCH100551	75%	100%	100%
ECO102556	YPS003446	79%	100%	100%
ECO102557	ABA100567	65%	98.2%	95.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102557	BAN113732	49%	72.0%	96.8%
ECO102557	BAN108180	54%	75.9%	99.4%
ECO102557	BFR10168	51%	84.8%	99.0%
ECO102557	BPT101335	63%	98.2%	97.9%
ECO102557	BBU100693	41%	98.0%	99.1%
ECO102557	BCE112884	65%	70.0%	99.1%
ECO102557	BFU115323	64%	98.7%	99.3%
ECO102557	BMA100755	65%	98.7%	99.3%
ECO102557	CJU100659	41%	95.8%	97.5%
ECO102557	CPN200646	38%	98.0%	98.9%
ECO102557	CTR200289	44%	98.0%	98.9%
ECO102557	CAC101092	48%	96.2%	97.3%
ECO102557	CBO101744	49%	98.5%	99.3%
ECO102557	CDF103672	50%	83.9%	97.9%
ECO102557	CDP101160	46%	100%	87.6%
ECO102557	EBC100407	96%	77.9%	94.9%
ECO102557	EFA201155	50%	99.8%	95.1%
ECO102557	EFM202293	51%	85.7%	99.5%
ECO102557	ECO102557	100%	100%	100%
ECO102557	HIN100105	79%	99.8%	97.8%
ECO102557	HPY101135	40%	98.9%	99.3%
ECO102557	KPN301264	97%	77.9%	94.7%
ECO102557	LPN101209	64%	98.2%	97.4%
ECO102557	LMO100196	53%	98.9%	98.2%
ECO102557	MCA100840	63%	98.2%	98.0%
ECO102557	MAV103395	49%	96.0%	84.7%
ECO102557	MBV102321	50%	96.0%	83.4%
ECO102557	MLP100989	49%	96.0%	84.1%
ECO102557	MTU202878	50%	96.0%	83.4%
ECO102557	MGE100048	39%	94.5%	95.3%
ECO102557	MPN100093	40%	91.2%	91.8%
ECO102557	NGO101772	65%	99.8%	99.8%
ECO102557	NME202026	67%	99.8%	99.8%
ECO102557	PMU101183	80%	98.5%	97.4%
ECO102557	PRT100858	87%	100%	100%
ECO102557	PAE203743	71%	99.6%	99.6%
ECO102557	PPU107798	70%	99.1%	98.9%
ECO102557	PSY103783	69%	99.1%	98.9%
ECO102557	SPA101887	92%	78.1%	100%
ECO102557	STY102223	98%	100%	100%
ECO102557	SAU801237	50%	98.7%	99.3%
ECO102557	SEP201530	50%	98.7%	99.3%
ECO102557	SMU100253	47%	99.3%	86.8%
ECO102557	SPN401165	47%	99.3%	85.7%
ECO102557	SPY200915	47%	99.3%	86.1%
ECO102557	TPA100412	39%	100%	100%
ECO102557	UUR100090	40%	94.7%	95.3%
ECO102557	VCH100550	76%	99.8%	98.0%
ECO102557	YPS003448	88%	100%	100%
ECO102562	ABA101740	44%	97.6%	94.4%
ECO102562	BAN112667	32%	51.4%	57.0%
ECO102562	BFR100600	34%	89.7%	91.0%
ECO102562	BPT103790	39%	97.6%	96.3%
ECO102562	BBU100310	34%	57.2%	58.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102562	BCE114005	38%	98.3%	87.7%
ECO102562	BFU102654	38%	99.0%	96%
ECO102562	BMA109400	38%	99.0%	83.5%
ECO102562	CJU100602	33%	79.1%	79.4%
ECO102562	CAC101559	33%	75.7%	77.5%
ECO102562	CBO102717	34%	92.8%	95.7%
ECO102562	CDF103162	26%	91.1%	94.0%
ECO102562	CDP101033	32%	77.4%	73.2%
ECO102562	EBC102479	97%	91.8%	100%
ECO102562	EFA200895	35%	49.3%	54.7%
ECO102562	EFM200968	25%	52.4%	60%
ECO102562	ECO102562	100%	100%	100%
ECO102562	HIN100070	58%	86.0%	96.9%
ECO102562	HPY101374	26%	99.0%	97.9%
ECO102562	KPN301269	94%	100%	100%
ECO102562	LPN101990	43%	94.5%	94.6%
ECO102562	LMO100773	32%	50.3%	56.1%
ECO102562	MCA101910	38%	98.3%	95.7%
ECO102562	MAV102046	34%	74.7%	67.3%
ECO102562	MBV105349	35%	68.2%	64.8%
ECO102562	MLP100841	34%	69.9%	65.6%
ECO102562	MTU201674	35%	68.2%	64.8%
ECO102562	MGE100130	29%	55.5%	58.3%
ECO102562	MPN100566	31%	56.8%	60.2%
ECO102562	NGO100871	39%	99.7%	99.7%
ECO102562	NME200939	39%	99.7%	99.7%
ECO102562	PMU100333	56%	98.3%	94.8%
ECO102562	PRT101147	77%	75.7%	100%
ECO102562	PAE203086	47%	98.3%	97.6%
ECO102562	PPU105852	48%	98.3%	97.3%
ECO102562	PSY100717	46%	98.3%	97.3%
ECO102562	SPA101531	95%	99.0%	100%
ECO102562	STY102233	96%	100%	100%
ECO102562	STM102487	96%	100%	100%
ECO102562	SAU801007	27%	53.8%	59.1%
ECO102562	SEP200233	29%	54.8%	60.2%
ECO102562	SHA100764	27%	54.8%	60.2%
ECO102562	SMU100219	29%	49.3%	52.0%
ECO102562	SPN401005	24%	73.6%	69.9%
ECO102562	SPY200856	32%	49.3%	51.8%
ECO102562	TPA100437	34%	84.9%	81.0%
ECO102562	UUR100177	22%	69.5%	73.7%
ECO102562	VCH100837	58%	100%	100%
ECO102562	YPS002057	82%	99.7%	99.3%
ECO102578	ECO102578	100%	100%	100%
ECO102578	VCH101777	23%	61.9%	61.6%
ECO102588	BFR100937	19%	35.1%	18.2%
ECO102588	CJU101174	30%	13.1%	16.7%
ECO102588	ECO102588	100%	100%	100%
ECO102588	HPY100493	18%	35.3%	47.1%
ECO102588	LPN101370	24%	37.6%	50.1%
ECO102588	MGE100322	23%	25.0%	40.9%
ECO102588	STY103166	28%	22.4%	49.6%
ECO102588	SAU800159	34%	15.7%	24.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102588	UUR100022	23%	22.0%	25.1%
ECO102593	ABA105043	21%	26.4%	58.5%
ECO102593	BPT105268	20%	32.6%	64.5%
ECO102593	BPT100671	22%	91.7%	82.0%
ECO102593	BPT100041	25%	45.4%	71.5%
ECO102593	BPT100991	31%	31.2%	61.6%
ECO102593	BCE104738	26%	25.6%	54.2%
ECO102593	BCE102211	22%	14.1%	40.1%
ECO102593	BCE110445	24%	8.2%	97.9%
ECO102593	BCE103017	24%	21.6%	83.6%
ECO102593	BCE103623	27%	30.4%	66.2%
ECO102593	BCE100403	22%	69.4%	24.8%
ECO102593	BCE110366	23%	85.7%	22.0%
ECO102593	BCE101250	23%	22.4%	95.0%
ECO102593	BCE106666	24%	30.7%	71.7%
ECO102593	BFU112047	19%	33.2%	75.6%
ECO102593	BFU113446	19%	27.2%	83.8%
ECO102593	BFU104375	21%	37.0%	89.3%
ECO102593	BFU112017	21%	6.1%	49.7%
ECO102593	BFU106700	22%	56.1%	75.9%
ECO102593	BFU113994	21%	8.8%	43.4%
ECO102593	BFU112565	20%	72.6%	31.1%
ECO102593	BFU108657	22%	25.8%	97.0%
ECO102593	BFU109807	23%	72.0%	24.6%
ECO102593	BMA109486	23%	36.3%	73.0%
ECO102593	CDF103395	22%	17.6%	37.5%
ECO102593	CDP101864	43%	1.3%	33.1%
ECO102593	EFA201471	22%	67.7%	52.6%
ECO102593	EFM101518	20%	38.2%	25.2%
ECO102593	ECO102148	41%	0.4%	70.9%
ECO102593	ECO102593	100%	100%	100%
ECO102593	HIN100971	22%	46.4%	45.3%
ECO102593	KPN203199	22%	10.8%	51.7%
ECO102593	LMO101479	20%	28.6%	59.4%
ECO102593	LMO101190	44%	4.9%	9.2%
ECO102593	LMO101803	28%	11.4%	32.4%
ECO102593	MCA102916	21%	56.7%	48.7%
ECO102593	MTU203460	27%	8.8%	9.0%
ECO102593	MTU200863	24%	23.0%	54.1%
ECO102593	MTU201807	23%	12.2%	35.9%
ECO102593	MTU200278	30%	6.1%	12.3%
ECO102593	MTU201226	26%	12.4%	31.0%
ECO102593	MTU200277	29%	6.9%	12.4%
ECO102593	MTU200575	23%	22.2%	24.4%
ECO102593	MTU201737	23%	23.2%	40.0%
ECO102593	MTU202815	23%	24.4%	53.5%
ECO102593	MTU201630	24%	7.6%	38.9%
ECO102593	NGO100136	24%	36.5%	46.6%
ECO102593	NGO101220	20%	52.5%	70.1%
ECO102593	NGO101062	25%	16.4%	15.8%
ECO102593	NME200426	22%	59.5%	67.6%
ECO102593	NME200638	23%	9.5%	17.2%
ECO102593	NME200634	21%	45.5%	52.6%
ECO102593	PRT103539	21%	57.4%	15.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102593	PRT105107	21%	61.6%	62.1%
ECO102593	PAE204079	21%	2.8%	88.2%
ECO102593	PAE204539	20%	70.0%	61.9%
ECO102593	PPU103891	22%	5.9%	14.1%
ECO102593	PPU101855	27%	47.2%	97.6%
ECO102593	PSY105010	26%	3.4%	93.8%
ECO102593	STM104147	20%	65.9%	2.1%
ECO102593	YPS000732	30%	14.9%	77.1%
ECO102593	YPS002481	29%	8.5%	63.3%
ECO102593	YPS003252	27%	17.7%	44.0%
ECO102599	ECO102599	100%	100%	100%
ECO102600	ECO102600	100%	100%	100%
ECO102604	BPT105939	30%	33.1%	20.5%
ECO102604	ECO102604	100%	100%	100%
ECO102604	KPN305556	85%	98.6%	100%
ECO102604	PPU108977	67%	90.3%	100%
ECO102604	SPA100787	84%	98.6%	100%
ECO102604	STY102673	86%	90.8%	99.7%
ECO102604	STM103130	86%	90.8%	99.7%
ECO102610	ABA100150	46%	99.3%	100%
ECO102610	BPT101957	49%	98.7%	97.3%
ECO102610	BBU100322	37%	35.6%	14.1%
ECO102610	BCE109062	43%	100%	99.4%
ECO102610	CBO101404	32%	55.0%	38.7%
ECO102610	CDF102194	35%	53.7%	39.3%
ECO102610	EBC102396	64%	99.3%	99.3%
ECO102610	EFA201210	47%	39.6%	28.6%
ECO102610	EFM201311	42%	38.3%	27.2%
ECO102610	EFM202034	47%	39.6%	26.9%
ECO102610	ECO102610	100%	100%	100%
ECO102610	KPN301659	64%	98.7%	98.7%
ECO102610	MCA100095	40%	99.3%	100%
ECO102610	NGO101731	46%	33.6%	11.2%
ECO102610	NME200158	40%	33.6%	12.3%
ECO102610	PMU101974	36%	99.3%	98.6%
ECO102610	PAE205173	54%	99.3%	100%
ECO102610	PPU106499	56%	99.3%	100%
ECO102610	PSY104020	52%	99.3%	100%
ECO102610	SPA103010	93%	100%	100%
ECO102610	TPA100041	42%	32.9%	15.2%
ECO102610	VCH100047	34%	47.0%	17.6%
ECO102612	ABA100902	27%	97.0%	93.1%
ECO102612	BAN102839	22%	70.7%	55.6%
ECO102612	BAN109348	23%	82.8%	90.1%
ECO102612	BAN105886	31%	83.8%	82.8%
ECO102612	BAN101705	33%	77.8%	90.6%
ECO102612	BAN106903	29%	82.8%	85.4%
ECO102612	BAN108997	32%	84.8%	77.6%
ECO102612	BAN109157	34%	82.8%	81.8%
ECO102612	BPT102914	25%	89.9%	78.4%
ECO102612	BCE100121	37%	93.9%	79.3%
ECO102612	BFU101752	38%	76.8%	32.1%
ECO102612	BMA104163	33%	97.0%	83.5%
ECO102612	CBO102999	27%	87.9%	93.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102612	EBC100370	76%	98.0%	100%
ECO102612	ECO102612	100%	100%	100%
ECO102612	KPN304418	69%	100%	100%
ECO102612	LPN102332	29%	78.8%	91.9%
ECO102612	LMO102436	26%	82.8%	82.5%
ECO102612	MAV101064	31%	90.9%	83.5%
ECO102612	MBV103014	32%	84.8%	72.3%
ECO102612	MTU201653	32%	85.9%	38.5%
ECO102612	NGO100659	36%	80.8%	84.9%
ECO102612	NME201928	37%	54.5%	79.4%
ECO102612	PMU101481	30%	93.9%	96.8%
ECO102612	PRT101996	38%	97.0%	88.8%
ECO102612	PAE204352	31%	77.8%	89%
ECO102612	PPU112349	28%	77.8%	89.1%
ECO102612	PPU101562	31%	78.8%	90%
ECO102612	PSY101769	31%	77.8%	85.6%
ECO102612	SPA103008	89%	100%	100%
ECO102612	STY106198	87%	100%	100%
ECO102612	STM103167	89%	100%	100%
ECO102612	SEP202395	30%	89.9%	75.4%
ECO102612	SMU101283	28%	89.9%	23.0%
ECO102612	VCH100665	41%	96.0%	87.0%
ECO102612	VCH103365	37%	97.0%	90.5%
ECO102619	BAN106019	41%	91.2%	95.8%
ECO102619	BAN106208	41%	91.2%	95.8%
ECO102619	CDP101420	53%	91.2%	92.2%
ECO102619	EBC101489	87%	99.3%	63.1%
ECO102619	EFA201340	40%	91.9%	60.8%
ECO102619	EFM202084	27%	90.4%	96.6%
ECO102619	ECO102619	100%	100%	100%
ECO102619	KPN304448	80%	96.3%	61.8%
ECO102619	MAV103566	61%	94.9%	88.7%
ECO102619	MBV105902	62%	94.9%	88.7%
ECO102619	MLP101068	60%	93.4%	94.9%
ECO102619	MTU203012	62%	94.9%	88.7%
ECO102619	MGE100235	55%	93.4%	84.3%
ECO102619	MPN100513	53%	92.6%	83.7%
ECO102619	PRT102698	58%	92.6%	59.3%
ECO102619	SPA100545	66%	100%	62.7%
ECO102619	STY102715	85%	100%	100%
ECO102619	STM103197	85%	100%	100%
ECO102619	SAU800730	36%	92.6%	90.2%
ECO102619	SEP201146	33%	86.8%	83.2%
ECO102619	SEP200795	37%	92.6%	85.6%
ECO102619	SHA100608	38%	66.2%	68.9%
ECO102619	SMU100587	27%	86.8%	88.9%
ECO102619	SPN400156	26%	97.1%	75.5%
ECO102619	SPY200303	52%	87.5%	74.1%
ECO102619	YPS001326	69%	97.1%	99.3%
ECO102636	ABA100197	94%	63.9%	100%
ECO102636	ABA101889	91%	91.8%	66.7%
ECO102636	BBU100183	33%	93.4%	70.4%
ECO102636	CJU101029	33%	88.5%	72%
ECO102636	CAC101250	38%	93.4%	78.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102636	CBO100627	34%	100%	84.7%
ECO102636	CDF101436	38%	88.5%	77.1%
ECO102636	EBC101518	100%	100%	100%
ECO102636	ECO102636	100%	100%	100%
ECO102636	HIN100793	68%	93.4%	90.5%
ECO102636	HPY101421	33%	96.7%	77.6%
ECO102636	KPN305688	100%	96.7%	100%
ECO102636	LPN100697	76%	98.4%	70.6%
ECO102636	MCA100043	86%	95.1%	69.9%
ECO102636	PMU101288	69%	85.2%	83.9%
ECO102636	PRT105141	96%	93.4%	91.9%
ECO102636	PAE200904	85%	100%	100%
ECO102636	PPU100420	75%	98.4%	98.4%
ECO102636	PSY106524	75%	100%	100%
ECO102636	STY102763	100%	100%	100%
ECO102636	TPA100649	40%	96.7%	80.8%
ECO102636	VCH100538	98%	90.2%	84.6%
ECO102636	YPS003496	95%	100%	100%
ECO102637	ABA102548	52%	8.7%	92.7%
ECO102637	ABA101894	58%	99.4%	99.3%
ECO102637	BAN112993	47%	12.1%	95.5%
ECO102637	BAN112360	40%	72.6%	99.1%
ECO102637	BAN110893	44%	99.1%	99.0%
ECO102637	BFR11415	43%	98.3%	98.7%
ECO102637	BPT101143	62%	99.4%	99.8%
ECO102637	BBU100219	36%	79.0%	98.7%
ECO102637	BCE107013	72%	48.1%	93.8%
ECO102637	BFU114595	62%	99.3%	99.7%
ECO102637	BMA107024	62%	99.3%	99.7%
ECO102637	CJU100469	47%	97.9%	98.6%
ECO102637	CPN200957	41%	99.1%	99.3%
ECO102637	CTR200124	41%	99.1%	99.3%
ECO102637	CAC100475	42%	98.3%	98.2%
ECO102637	CBO102316	42%	98.4%	98.3%
ECO102637	CDF100894	44%	98.1%	98.0%
ECO102637	CDP100382	40%	99.2%	99.8%
ECO102637	EBC101519	91%	98.3%	100%
ECO102637	EFA202378	44%	99.2%	99.3%
ECO102637	EFM102001	41%	13.7%	100%
ECO102637	ECO102637	100%	100%	100%
ECO102637	HIN100794	69%	99.7%	99.9%
ECO102637	HPY101224	46%	98.4%	98.8%
ECO102637	KPN301584	91%	99.9%	100%
ECO102637	LPN103164	56%	98.6%	99.1%
ECO102637	LMO101358	43%	99.1%	99.0%
ECO102637	MCA100516	58%	99.2%	99.1%
ECO102637	MAV102135	39%	97.5%	99.1%
ECO102637	MBV100967	40%	99.1%	99.1%
ECO102637	MLP100309	38%	99.1%	99.4%
ECO102637	MTU202518	40%	99.1%	99.1%
ECO102637	MGE100298	31%	97.7%	98.4%
ECO102637	MPN100422	33%	91.0%	88.8%
ECO102637	NGO101407	61%	99.4%	99.7%
ECO102637	NME201646	61%	99.4%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102637	PMU101287	70%	99.7%	99.9%
ECO102637	PRT101312	78%	99.9%	100%
ECO102637	PAE200902	65%	99.4%	99.8%
ECO102637	PPU106922	65%	98.3%	98.6%
ECO102637	PSY103114	64%	93.8%	98.8%
ECO102637	SPA101276	94%	99.4%	100%
ECO102637	STY102766	95%	100%	100%
ECO102637	SAU801618	45%	98.9%	99.0%
ECO102637	SEP201165	44%	98.9%	99.0%
ECO102637	SHA101190	45%	98.9%	98.6%
ECO102637	SMU100824	44%	98.6%	99.1%
ECO102637	SPN401239	42%	98.9%	99.3%
ECO102637	SPY201063	43%	98.6%	99.1%
ECO102637	TPA101007	40%	79.0%	97.4%
ECO102637	UUR100371	32%	99.1%	99.2%
ECO102637	VCH100535	68%	99.9%	100%
ECO102637	YPS003498	82%	99.9%	100%
ECO102638	ABA101317	32%	87.3%	83.1%
ECO102638	BFR105888	23%	86.7%	89.0%
ECO102638	BPT102831	29%	86.7%	70.2%
ECO102638	BCE103131	33%	90.4%	47.6%
ECO102638	CAC101416	25%	90.4%	67.8%
ECO102638	CDF104561	26%	90.4%	67.0%
ECO102638	EBC101520	84%	100%	100%
ECO102638	EFA200848	23%	69.9%	40.2%
ECO102638	EFM200848	25%	85.5%	50.9%
ECO102638	ECO102638	100%	100%	100%
ECO102638	HIN100578	28%	68.7%	92.1%
ECO102638	KPN301586	76%	100%	100%
ECO102638	LPN101898	32%	90.4%	93.3%
ECO102638	MCA103400	28%	89.2%	50.6%
ECO102638	NGO100458	29%	85.5%	84.3%
ECO102638	NME201548	30%	85.5%	84.3%
ECO102638	PMU101816	29%	65.7%	88.8%
ECO102638	PRT104789	37%	82.5%	97.9%
ECO102638	PAE203614	40%	89.8%	90.2%
ECO102638	PPU101132	36%	70.5%	75.9%
ECO102638	PSY107055	39%	84.3%	85.5%
ECO102638	SPA101275	86%	100%	100%
ECO102638	STY102769	87%	100%	100%
ECO102638	SPN401716	25%	81.3%	44.1%
ECO102638	SPY201239	29%	56.6%	36.8%
ECO102638	VCH100534	36%	84.9%	86.2%
ECO102638	YPS003500	44%	88.6%	95.2%
ECO102639	ABA101315	74%	92.9%	94.0%
ECO102639	BAN109036	49%	90.9%	95.2%
ECO102639	BAN107984	70%	56.9%	96.6%
ECO102639	BFR11938	63%	91.2%	92.8%
ECO102639	BPT102835	68%	95.8%	96.6%
ECO102639	BBU100130	54%	96.0%	95.1%
ECO102639	BCE109039	69%	96.9%	95.8%
ECO102639	BFU103521	68%	97.7%	96.1%
ECO102639	BMA106800	72%	91.2%	90.7%
ECO102639	CJU101578	62%	91.5%	94.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102639	CPN201091	56%	98.0%	98.6%
ECO102639	CTR200019	59%	90.9%	91.2%
ECO102639	CAC102599	65%	91.8%	92.8%
ECO102639	CBO100413	66%	91.8%	91.0%
ECO102639	CDF100868	64%	91.2%	91.0%
ECO102639	CDP100408	63%	90.7%	86.0%
ECO102639	EBC101521	92%	100%	100%
ECO102639	EFA201505	59%	97.5%	98.0%
ECO102639	EFM100436	61%	87.5%	96.9%
ECO102639	ECO102639	100%	100%	100%
ECO102639	HIN100579	73%	100%	99.7%
ECO102639	HPY100150	61%	95.2%	97.1%
ECO102639	KPN301587	93%	100%	100%
ECO102639	LPN100193	70%	99.2%	100%
ECO102639	LMO100506	63%	90.9%	92.2%
ECO102639	MCA103696	71%	96.9%	97.7%
ECO102639	MAV102772	62%	98.6%	98.6%
ECO102639	MBV102991	66%	98.6%	99.4%
ECO102639	MLP100604	65%	92.9%	97.5%
ECO102639	MTU202700	66%	98.6%	99.4%
ECO102639	MGE100348	46%	85.3%	88.5%
ECO102639	MPN100352	45%	85.8%	90.5%
ECO102639	NGO100154	69%	92.1%	86.9%
ECO102639	NME201518	69%	92.1%	93.7%
ECO102639	PMU101817	75%	99.4%	97.5%
ECO102639	PRT101313	84%	99.7%	100%
ECO102639	PAE203615	71%	99.2%	100%
ECO102639	PPU106715	73%	92.6%	92.1%
ECO102639	PSY104402	73%	93.2%	89.2%
ECO102639	SPA101274	88%	100%	100%
ECO102639	STY102772	97%	100%	100%
ECO102639	SAU801285	62%	92.4%	93.9%
ECO102639	SEP201588	59%	99.2%	97.4%
ECO102639	SHA101287	61%	92.4%	93.7%
ECO102639	SMU101217	62%	90.9%	84.9%
ECO102639	SPN401755	60%	98.0%	87.6%
ECO102639	SPY201616	62%	90.9%	86.0%
ECO102639	TPA100684	59%	91.8%	80.1%
ECO102639	UUR100082	40%	91.8%	97.0%
ECO102639	VCH100533	84%	93.8%	80.3%
ECO102639	YPS003502	87%	100%	100%
ECO102641	ABA105758	38%	84.2%	90.7%
ECO102641	BPT100211	34%	96.4%	96.3%
ECO102641	BCE110777	42%	83.7%	99.1%
ECO102641	BFU102083	39%	83.7%	76.8%
ECO102641	BMA101152	39%	83.7%	99.1%
ECO102641	EBC101821	88%	99.7%	100%
ECO102641	ECO102641	100%	100%	100%
ECO102641	KPN301585	87%	99.4%	100%
ECO102641	LPN102694	40%	83.1%	87.6%
ECO102641	MCA101336	34%	66.2%	51.0%
ECO102641	MAV106642	33%	16.3%	17.5%
ECO102641	MBV100885	33%	16.6%	15.7%
ECO102641	MTU201213	33%	16.6%	14.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102641	NGO101013	38%	83.7%	87.4%
ECO102641	NME201354	38%	83.7%	90.6%
ECO102641	PMU100513	27%	72.3%	68.7%
ECO102641	PRT105375	29%	98.6%	97.3%
ECO102641	PAE204442	67%	98.6%	97.5%
ECO102641	PPU108958	46%	85.3%	95.3%
ECO102641	PSY105088	46%	85.9%	94.7%
ECO102641	SPA100411	81%	98.1%	99.7%
ECO102641	STY102777	92%	100%	100%
ECO102641	VCH101926	27%	83.7%	94.1%
ECO102641	YPS000499	74%	99.2%	96.8%
ECO102645	CBO103413	46%	98.8%	97.7%
ECO102645	CDF102939	60%	99.6%	99.2%
ECO102645	EBC101896	95%	81.5%	99.1%
ECO102645	ECO102645	100%	100%	100%
ECO102645	KPN307029	91%	100%	100%
ECO102645	PMU101968	74%	100%	100%
ECO102645	PSY101670	33%	83.4%	94.0%
ECO102645	SPA101711	94%	100%	100%
ECO102645	STY102788	97%	100%	100%
ECO102645	STM103254	97%	100%	100%
ECO102646	CBO101041	31%	96.6%	82.7%
ECO102646	CDF104371	29%	96.6%	77.1%
ECO102646	EBC101897	70%	100%	100%
ECO102646	EFA200720	29%	88.2%	66.5%
ECO102646	EFM201620	27%	90.8%	67.5%
ECO102646	ECO102646	100%	100%	100%
ECO102646	KPN303732	73%	100%	100%
ECO102646	MAV103524	58%	20.2%	18.5%
ECO102646	MBV103369	45%	29.4%	27.8%
ECO102646	MLP100731	45%	29.4%	27.8%
ECO102646	MTU201326	45%	29.4%	27.8%
ECO102646	PMU101967	44%	92.4%	90.2%
ECO102646	SPA101712	82%	100%	100%
ECO102646	STY102790	83%	100%	100%
ECO102646	STM103595	83%	100%	100%
ECO102646	SMU100625	35%	59.7%	43.8%
ECO102646	SPY101903	32%	88.2%	70.4%
ECO102654	EBC103477	78%	98.5%	98.5%
ECO102654	ECO102654	100%	100%	100%
ECO102654	KPN303729	75%	98.8%	98.8%
ECO102654	SPA100711	39%	99.1%	99.1%
ECO102654	STY104055	40%	99.1%	97.6%
ECO102654	STM100084	41%	99.1%	97.6%
ECO102654	VCH101533	38%	99.1%	96.8%
ECO102654	YPS001725	36%	99.1%	98.8%
ECO102655	CDF100104	39%	36.9%	98.9%
ECO102655	CDF101686	37%	94.2%	97.0%
ECO102655	EBC103488	88%	99.0%	99.8%
ECO102655	EFM200442	36%	93.6%	99.6%
ECO102655	ECO102655	100%	100%	100%
ECO102655	KPN305684	88%	97.5%	98.5%
ECO102655	PPU110278	31%	19.2%	17.2%
ECO102655	SPN400505	37%	93.8%	72.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102655	SPY200412	38%	95.7%	73.7%
ECO102669	BFU102622	56%	100%	94.9%
ECO102669	CJU100586	41%	98.1%	98.6%
ECO102669	CAC102120	44%	98.1%	99.2%
ECO102669	CBO100979	38%	89.8%	93.6%
ECO102669	CDP100853	51%	98.1%	96.5%
ECO102669	EBC102590	86%	98.1%	79.9%
ECO102669	ECO102669	100%	100%	100%
ECO102669	HPY100884	43%	97.9%	99.2%
ECO102669	KPN303726	84%	99.7%	99.7%
ECO102669	LPN100627	46%	98.1%	98.4%
ECO102669	PRT101111	64%	98.9%	99.2%
ECO102669	SPA101915	93%	98.1%	80.6%
ECO102669	STY102830	94%	99.7%	99.7%
ECO102669	STM103675	94%	99.7%	99.7%
ECO102671	EBC107209	86%	88.0%	100%
ECO102671	ECO102671	100%	100%	100%
ECO102671	KPN303720	88%	77.7%	95.5%
ECO102671	SPA100903	89%	69.7%	98.6%
ECO102671	STY102834	89%	99.9%	99.9%
ECO102671	STM103679	90%	99.9%	99.9%
ECO102671	SAU802611	40%	5.3%	52.9%
ECO102690	BAN104917	36%	76.1%	80.8%
ECO102690	BAN109893	52%	97.0%	99.5%
ECO102690	BFR12076	51%	89.1%	89.1%
ECO102690	BCE101378	56%	75.1%	80.7%
ECO102690	BFU105924	51%	78.6%	87.7%
ECO102690	BMA103440	52%	87.6%	67.2%
ECO102690	CJU101334	28%	70.6%	81.8%
ECO102690	CAC100962	53%	96.0%	96.5%
ECO102690	EBC104331	89%	100%	100%
ECO102690	ECO102690	100%	100%	100%
ECO102690	KPN103912	92%	100%	100%
ECO102690	PRT103978	62%	99.5%	100%
ECO102690	PAE201392	58%	75.1%	77.0%
ECO102690	PSY108238	50%	94.0%	80.9%
ECO102690	PSY106624	50%	94.0%	80.9%
ECO102690	SPA104299	77%	17.4%	77.3%
ECO102690	STY103443	85%	100%	100%
ECO102690	SEP201659	52%	96.0%	97.5%
ECO102690	SHA102289	56%	96.0%	97.5%
ECO102690	VCH102521	67%	97.0%	91.2%
ECO102690	YPS000099	80%	98.0%	92.5%
ECO102705	ABA100092	27%	81.8%	51.5%
ECO102705	BAN110678	43%	73.6%	53.4%
ECO102705	BAN109471	43%	73.6%	53.4%
ECO102705	BFR105878	35%	86.8%	93.2%
ECO102705	BPT100447	31%	48.8%	40.8%
ECO102705	BCE115084	31%	52.1%	44.7%
ECO102705	BFU101022	28%	57.9%	50%
ECO102705	BMA106574	31%	52.1%	44.7%
ECO102705	CJU100148	28%	52.9%	33.2%
ECO102705	CAC100156	25%	85.1%	87.5%
ECO102705	CBO101681	43%	95.0%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102705	EBC104323	94%	99.2%	100%
ECO102705	ECO102705	100%	100%	100%
ECO102705	HIN101163	27%	92.6%	95.7%
ECO102705	KPN303830	93%	100%	100%
ECO102705	MCA101606	27%	82.6%	52.0%
ECO102705	NGO101844	30%	69.4%	62.1%
ECO102705	NME200649	26%	94.2%	97.1%
ECO102705	PMU100185	29%	92.6%	95.7%
ECO102705	PRT102255	84%	100%	100%
ECO102705	PAE202664	76%	95.9%	98.3%
ECO102705	PPU111281	75%	95.9%	98.3%
ECO102705	PSY100460	72%	95.9%	98.3%
ECO102705	SPA104187	93%	100%	100%
ECO102705	STY103502	94%	99.2%	100%
ECO102705	STM104214	94%	99.2%	100%
ECO102705	SAU800711	35%	94.2%	84.9%
ECO102705	SEP200752	34%	94.2%	84.9%
ECO102705	SHA101448	37%	96.7%	87.1%
ECO102705	SMU100908	39%	74.4%	59.5%
ECO102705	VCH101280	79%	100%	99.2%
ECO102705	YPS000126	83%	98.3%	100%
ECO102706	ABA104102	26%	67.7%	56.5%
ECO102706	BPT101729	27%	74.8%	58.4%
ECO102706	BCE111382	26%	81.3%	67.3%
ECO102706	BCE104052	26%	81.3%	64.3%
ECO102706	BFU111756	34%	96.1%	97.7%
ECO102706	BMA109566	26%	75.3%	62.7%
ECO102706	CJU100383	37%	9.2%	7.0%
ECO102706	ECO101667	41%	97.5%	99.5%
ECO102706	ECO102706	100%	100%	100%
ECO102706	KPN303429	45%	10.9%	8.6%
ECO102706	LPN103326	26%	86.1%	74.7%
ECO102706	MCA100693	27%	85.2%	70.9%
ECO102706	MAV102272	27%	74.1%	76.0%
ECO102706	MBV104554	26%	74.6%	80.4%
ECO102706	MLP101354	27%	75.3%	77.2%
ECO102706	MTU200558	28%	75.8%	77.7%
ECO102706	NGO101376	27%	77.1%	58.8%
ECO102706	NME200707	27%	82.2%	65.3%
ECO102706	PAE202951	27%	84.1%	70.8%
ECO102706	PPU108891	27%	77.1%	66.1%
ECO102706	PSY104867	28%	74.8%	63.3%
ECO102714	ECO102714	100%	100%	100%
ECO102714	PAE204095	33%	87.8%	98.3%
ECO102714	SHA100148	34%	85.7%	95.1%
ECO102722	BAN100835	30%	63.1%	69.7%
ECO102722	BAN107688	32%	64.9%	67.2%
ECO102722	BFR104257	34%	73.0%	70.4%
ECO102722	CAC102158	26%	91.9%	87.7%
ECO102722	CBO100493	21%	94.6%	58.2%
ECO102722	CDF104542	30%	64.9%	61.4%
ECO102722	EFA200060	30%	73.0%	70%
ECO102722	EFM202176	30%	95.5%	91.2%
ECO102722	ECO102722	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102722	KPN301507	56%	96.4%	96.3%
ECO102722	LMO100551	30%	88.3%	85.2%
ECO102722	MBV101398	40%	65.8%	70.3%
ECO102722	MTU202763	40%	65.8%	70.3%
ECO102722	NGO101975	27%	95.5%	97.4%
ECO102722	NME200373	38%	64.9%	68.6%
ECO102722	SAU802068	25%	64.9%	65%
ECO102722	SEP201326	25%	64.9%	65%
ECO102722	SHA101049	23%	91.9%	88.4%
ECO102722	SMU101371	30%	90.1%	90.9%
ECO102736	BAN104134	38%	93.9%	96.9%
ECO102736	BAN100117	45%	93.0%	96.4%
ECO102736	BAN105510	51%	95.8%	93.6%
ECO102736	BAN111762	52%	95.8%	93.6%
ECO102736	CJU101531	49%	95.6%	98.6%
ECO102736	CDP101612	61%	97.2%	94.0%
ECO102736	EBC103670	93%	100%	99.5%
ECO102736	ECO102736	100%	100%	100%
ECO102736	HIN100275	59%	95.6%	97.8%
ECO102736	HPY100131	43%	94.9%	95.9%
ECO102736	KPN308636	92%	100%	100%
ECO102736	LPN103077	64%	99.5%	99.8%
ECO102736	PMU100037	58%	96.0%	98.3%
ECO102736	PRT103179	80%	99.5%	99.5%
ECO102736	PPU110333	64%	94.2%	100%
ECO102736	PSY103212	64%	93.7%	99.5%
ECO102736	SPA101480	94%	99.5%	100%
ECO102736	STY103893	95%	100%	100%
ECO102736	STM104294	95%	100%	100%
ECO102736	VCH101631	50%	99.5%	99.5%
ECO102736	YPS001136	82%	99.5%	98.8%
ECO102737	BCE106651	52%	99.6%	86.8%
ECO102737	BFU111678	51%	99.6%	93.7%
ECO102737	CDF102230	39%	99.8%	100%
ECO102737	EBC103668	94%	99.3%	100%
ECO102737	ECO102737	100%	100%	100%
ECO102737	KPN307371	92%	100%	100%
ECO102737	MLP101075	51%	99.6%	99.6%
ECO102737	NGO100729	51%	98.5%	96.3%
ECO102737	NME200054	49%	93.6%	96.1%
ECO102737	PRT100267	79%	100%	100%
ECO102737	PPU107497	54%	99.6%	99.6%
ECO102737	PSY104683	52%	99.6%	99.6%
ECO102737	STY103896	94%	100%	100%
ECO102737	STM104297	94%	100%	100%
ECO102737	SAU802530	33%	61.1%	92.0%
ECO102737	SEP201095	33%	61.1%	92.0%
ECO102737	SHA100506	33%	61.1%	92.3%
ECO102741	BFR10515	34%	92.7%	93.2%
ECO102741	BCE113397	39%	93.2%	89.3%
ECO102741	CJU100451	36%	88.8%	91.6%
ECO102741	CBO103139	22%	89.5%	94.7%
ECO102741	ECO102741	100%	100%	100%
ECO102741	HIN100590	34%	92.9%	96.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102741	HPY101157	35%	93.6%	97.3%
ECO102741	KPN309059	89%	100%	100%
ECO102741	NGO101858	31%	94.1%	93.2%
ECO102741	NME200657	31%	94.1%	97.5%
ECO102741	SPA104049	93%	94.1%	100%
ECO102741	STY103920	92%	100%	100%
ECO102744	BCE105647	36%	98.6%	96.0%
ECO102744	BFU109391	35%	98.6%	94.2%
ECO102744	BFU108766	36%	98.6%	89.5%
ECO102744	ECO102744	100%	100%	100%
ECO102744	HIN100592	61%	100%	98.6%
ECO102744	KPN307040	92%	100%	100%
ECO102744	SPA104052	91%	100%	100%
ECO102744	STY103924	91%	100%	100%
ECO102744	STM104325	91%	100%	100%
ECO102744	SPN401968	45%	98.6%	95.2%
ECO102749	EBC100951	86%	97.4%	98.7%
ECO102749	ECO102749	100%	100%	100%
ECO102749	KPN305190	84%	98.7%	97.4%
ECO102749	PMU101798	35%	71.1%	25.9%
ECO102749	PRT104389	44%	94.7%	97.4%
ECO102749	PSY107484	34%	57.9%	91.7%
ECO102749	SPA104038	93%	97.4%	98.7%
ECO102749	STY103939	93%	97.4%	98.7%
ECO102749	SEP203585	32%	94.7%	60.2%
ECO102763	EBC107113	56%	99.4%	93.3%
ECO102763	ECO102763	100%	100%	100%
ECO102763	KPN305145	49%	99.4%	84.2%
ECO102763	SPA106196	66%	99.4%	99.4%
ECO102763	STY104010	66%	99.4%	99.4%
ECO102763	VCH100842	22%	37.8%	32.1%
ECO102763	YPS004214	41%	29.5%	78.0%
ECO102764	ABA105245	60%	100%	100%
ECO102764	BAN100788	50%	99.2%	99.4%
ECO102764	BFR11837	66%	100%	100%
ECO102764	BPT100700	34%	100%	100%
ECO102764	BCE114856	33%	100%	95.3%
ECO102764	BFU101750	33%	100%	100%
ECO102764	BMA105484	35%	100%	100%
ECO102764	CAC100774	36%	99.6%	98.1%
ECO102764	CBO101177	21%	68.2%	54.6%
ECO102764	CDP100080	63%	98.9%	93.2%
ECO102764	EBC102732	95%	100%	100%
ECO102764	EFA201843	51%	98.9%	98.7%
ECO102764	EFM100074	44%	39.0%	97.5%
ECO102764	ECO102764	100%	100%	100%
ECO102764	HIN100884	33%	100%	100%
ECO102764	KPN305143	93%	100%	100%
ECO102764	LMO102901	50%	100%	100%
ECO102764	MCA101497	59%	100%	100%
ECO102764	MAV101962	67%	98.9%	97.7%
ECO102764	MBV103568	66%	98.9%	97.7%
ECO102764	MLP100936	66%	98.9%	97.7%
ECO102764	MTU202727	66%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102764	MGE100232	49%	100%	100%
ECO102764	MPN100516	49%	100%	87.5%
ECO102764	NGO100594	71%	100%	99.2%
ECO102764	NME201812	71%	100%	100%
ECO102764	PMU100079	33%	100%	100%
ECO102764	PRT100903	36%	100%	100%
ECO102764	PAE200341	69%	100%	100%
ECO102764	PPU102228	35%	100%	100%
ECO102764	PSY101984	35%	100%	100%
ECO102764	SPA102433	96%	100%	100%
ECO102764	STY104016	95%	100%	100%
ECO102764	SAU801427	51%	98.9%	97.5%
ECO102764	SEP200374	48%	98.9%	97.5%
ECO102764	SEP201188	48%	98.9%	97.5%
ECO102764	SHA101980	49%	98.9%	97.5%
ECO102764	SMU100950	29%	97.3%	96.1%
ECO102764	SPN400585	30%	95.1%	89.2%
ECO102764	SPY200657	30%	93.6%	92.1%
ECO102764	VCH100662	32%	100%	100%
ECO102764	YPS002874	88%	100%	100%
ECO102768	EBC103078	83%	97.8%	100%
ECO102768	ECO102768	100%	100%	100%
ECO102768	HIN100383	61%	92.6%	95.1%
ECO102768	KPN301609	84%	97.8%	97.0%
ECO102768	LPN100331	48%	93.9%	96.4%
ECO102768	PMU101067	58%	94.8%	97.7%
ECO102768	PRT100191	75%	94.3%	96%
ECO102768	SPA102493	86%	100%	100%
ECO102768	STY104040	88%	100%	99.1%
ECO102768	STM100058	88%	100%	99.1%
ECO102768	VCH100655	62%	94.3%	97.7%
ECO102768	YPS002878	72%	96.1%	96.5%
ECO102783	ECO102783	100%	100%	100%
ECO102783	SPA104199	38%	82.6%	92.6%
ECO102783	STY104456	39%	82.6%	92.7%
ECO102783	STM100042	39%	82.6%	92.7%
ECO102783	UUR100311	26%	38.3%	45.7%
ECO102787	CBO101785	24%	75.7%	47.3%
ECO102787	ECO102787	100%	100%	100%
ECO102788	BMA103545	36%	92.0%	87.1%
ECO102788	CPN201041	24%	50.9%	35.9%
ECO102788	CTR200854	21%	54.0%	35.8%
ECO102788	ECO102788	100%	100%	100%
ECO102788	PRT103050	35%	89.0%	83.7%
ECO102788	PAE201706	27%	70.6%	68.3%
ECO102788	SPA104004	37%	85.9%	84.2%
ECO102788	STY103261	37%	85.9%	84.2%
ECO102788	STM103969	20%	73.6%	78.3%
ECO102802	ABA100552	26%	97.6%	93.9%
ECO102802	BPT101760	31%	98.8%	95.3%
ECO102802	BMA108998	28%	96.4%	92.2%
ECO102802	CBO101375	46%	99.9%	98.3%
ECO102802	EFA201637	30%	97.9%	79.2%
ECO102802	ECO102802	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102802	MBV100418	29%	98.9%	95.4%
ECO102802	MTU200372	29%	98.9%	95.4%
ECO102802	TPA100078	20%	48.8%	46.9%
ECO102814	CBO103064	43%	98.3%	99.0%
ECO102814	EFA201627	44%	95.0%	95.3%
ECO102814	ECO102814	100%	100%	100%
ECO102815	BFU100618	24%	89.2%	92.8%
ECO102815	CBO101548	33%	89.4%	94.6%
ECO102815	CDF100946	24%	89.2%	95.0%
ECO102815	CDF102110	35%	89.7%	94.8%
ECO102815	EBC104972	22%	88.8%	81.8%
ECO102815	EFA201626	34%	89.9%	94.6%
ECO102815	ECO102815	100%	100%	100%
ECO102815	KPN304250	22%	94.4%	99.4%
ECO102815	PRT100066	23%	93.1%	91.2%
ECO102815	YPS002667	21%	77.8%	84.6%
ECO102817	CDF100372	31%	9.9%	89.7%
ECO102817	CDF100786	36%	78.9%	99.9%
ECO102817	CDF103342	34%	82.2%	98.7%
ECO102817	CDF100973	34%	82.5%	98.8%
ECO102817	ECO102817	100%	100%	100%
ECO102817	MAV104590	26%	8.9%	42.2%
ECO102817	PAE201522	26%	83.4%	96.2%
ECO102819	ABA105065	62%	97.5%	97.1%
ECO102819	BAN109973	25%	39.4%	94.4%
ECO102819	BAN108621	25%	51.5%	91.1%
ECO102819	BAN113546	25%	63.3%	87.3%
ECO102819	BFR102598	35%	16.2%	16.3%
ECO102819	BPT101914	23%	74.5%	72.6%
ECO102819	BCE107325	50%	94.5%	97.4%
ECO102819	BFU104800	47%	98.2%	95.8%
ECO102819	BMA103965	48%	94.8%	95.4%
ECO102819	CJU100060	23%	84.7%	91.9%
ECO102819	CAC102908	31%	99.1%	99.1%
ECO102819	CDF102112	32%	98.4%	99.5%
ECO102819	EBC101322	59%	97.3%	100%
ECO102819	EFA200357	30%	83.4%	83.7%
ECO102819	ECO102819	100%	100%	100%
ECO102819	HPY100263	20%	78.6%	84.6%
ECO102819	KPN301122	58%	97.3%	97.9%
ECO102819	LPN100461	28%	94.8%	97.5%
ECO102819	MCA101946	27%	26.7%	26.9%
ECO102819	MAV104895	37%	10.3%	8.2%
ECO102819	MBV100021	40%	10.3%	8.5%
ECO102819	MTU202019	40%	10.3%	8.2%
ECO102819	PAE201520	57%	96.1%	97.5%
ECO102819	PPU107264	55%	98.4%	99.3%
ECO102819	PSY103885	54%	99.5%	99.8%
ECO102819	SPN401213	25%	81.3%	72.3%
ECO102819	SPY201589	34%	11.4%	11.7%
ECO102827	ABA101939	69%	99.5%	100%
ECO102827	BAN110383	35%	98.6%	99.7%
ECO102827	BAN112271	45%	98.9%	99.2%
ECO102827	BFR11646	44%	96.4%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102827	BPT101803	64%	98.9%	98.4%
ECO102827	BBU100074	48%	93.2%	96.8%
ECO102827	BCE103450	62%	99.2%	98.6%
ECO102827	BFU108643	64%	76.7%	100%
ECO102827	BMA102879	62%	99.2%	98.6%
ECO102827	CJU101373	49%	90.7%	90.4%
ECO102827	CPN300572	47%	93.4%	98%
ECO102827	CTR100183	44%	97.0%	96.7%
ECO102827	CAC100933	48%	86.8%	96.7%
ECO102827	CBO100813	47%	88.2%	99.1%
ECO102827	CDF101444	44%	98.6%	99.7%
ECO102827	CDP101706	45%	91.0%	79.4%
ECO102827	EBC102997	96%	100%	100%
ECO102827	EFA200592	48%	98.9%	99.2%
ECO102827	ECO102827	100%	100%	100%
ECO102827	HPY100168	49%	96.7%	97.0%
ECO102827	KPN303319	96%	87.7%	100%
ECO102827	LPN101389	73%	100%	100%
ECO102827	LMO101259	49%	87.7%	98.2%
ECO102827	MCA101198	63%	80%	100%
ECO102827	MAV104984	44%	92.6%	87.2%
ECO102827	MBV105866	44%	92.6%	90.2%
ECO102827	MLP100413	43%	92.6%	92.0%
ECO102827	MTU203065	44%	92.6%	90.2%
ECO102827	NGO100784	64%	99.2%	98.6%
ECO102827	NME200212	64%	99.2%	98.6%
ECO102827	PMU100190	82%	87.7%	100%
ECO102827	PRT100475	90%	87.7%	100%
ECO102827	PAE100476	68%	99.5%	100%
ECO102827	PPU100841	70%	99.5%	100%
ECO102827	PSY108064	65%	99.5%	100%
ECO102827	SPA102977	95%	100%	100%
ECO102827	STY104137	95%	100%	100%
ECO102827	SAU800754	45%	88.2%	98.2%
ECO102827	SEP201383	48%	88.2%	97.3%
ECO102827	SHA101268	47%	88.2%	97.6%
ECO102827	SMU100349	44%	88.2%	98.8%
ECO102827	SPN400665	46%	88.5%	97.9%
ECO102827	SPY200463	44%	91.0%	98.2%
ECO102827	TPA100569	46%	93.2%	92.4%
ECO102827	YPS000161	88%	100%	100%
ECO102828	ABA101961	44%	98.4%	98.8%
ECO102828	BAN104770	24%	89.4%	63.9%
ECO102828	BAN102480	32%	96.0%	68.9%
ECO102828	BFR100673	31%	90.8%	99.8%
ECO102828	BPT101805	46%	99.1%	99.1%
ECO102828	BBU100253	38%	80.2%	81.9%
ECO102828	BCE102975	34%	18.4%	97.0%
ECO102828	BFU108641	48%	95.7%	95.8%
ECO102828	BMA106924	48%	95.7%	95.9%
ECO102828	CJU100028	29%	90.3%	93.5%
ECO102828	CPN200184	28%	89.4%	86.2%
ECO102828	CTR200722	30%	95.7%	93.6%
ECO102828	CAC102562	30%	95.1%	95.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102828	CBO101432	30%	99.1%	97.8%
ECO102828	CDF100497	30%	99.5%	68.6%
ECO102828	EBC102952	87%	78.9%	100%
ECO102828	EFA201172	32%	95.5%	68.6%
ECO102828	EFM100083	33%	48.2%	92.7%
ECO102828	ECO102828	100%	100%	100%
ECO102828	HIN101186	58%	96.0%	96.3%
ECO102828	HPY100344	31%	79.7%	83.9%
ECO102828	KPN303321	88%	99.8%	99.8%
ECO102828	LPN103347	51%	98.8%	98.8%
ECO102828	LMO102252	33%	88.9%	62.7%
ECO102828	MCA101569	42%	95.1%	92.9%
ECO102828	NGO100971	48%	96.2%	95.9%
ECO102828	NME200968	48%	96.2%	95.9%
ECO102828	PMU100192	60%	96.0%	96.3%
ECO102828	PRT103507	62%	98.8%	98.6%
ECO102828	PAE203722	58%	99.1%	99.8%
ECO102828	PPU107844	56%	99.1%	99.8%
ECO102828	PSY104923	57%	99.1%	99.8%
ECO102828	SPA102978	84%	100%	100%
ECO102828	STY104138	91%	100%	100%
ECO102828	SAU801636	32%	96.0%	70.3%
ECO102828	SEP201590	31%	97.6%	71.5%
ECO102828	SHA101075	32%	97.6%	71.5%
ECO102828	SMU100405	32%	95.3%	71.8%
ECO102828	SPN400537	33%	95.7%	71.1%
ECO102828	SPY200696	31%	94.3%	70.8%
ECO102828	TPA100696	27%	2.1%	20.3%
ECO102828	VCH102382	63%	98.8%	98.5%
ECO102828	YPS000162	75%	99.8%	99.8%
ECO102832	EBC102958	80%	99.3%	99.3%
ECO102832	ECO102832	100%	100%	100%
ECO102832	KPN303342	72%	99.3%	99.3%
ECO102832	PRT102348	38%	96.3%	97.0%
ECO102832	SPA102982	83%	97.0%	95.6%
ECO102832	STY104152	80%	83.7%	98.3%
ECO102832	YPS000169	52%	94.8%	92.2%
ECO102833	ABA104232	34%	59.1%	52.5%
ECO102833	ABA100192	33%	70.5%	72.9%
ECO102833	BPT105896	32%	87.5%	89.5%
ECO102833	BCE102877	39%	71.6%	70.8%
ECO102833	BFU110742	32%	81.8%	84.4%
ECO102833	BMA108958	39%	71.6%	70%
ECO102833	EBC102960	89%	100%	100%
ECO102833	ECO102833	100%	100%	100%
ECO102833	HIN100608	56%	83.0%	85.9%
ECO102833	KPN303344	88%	100%	100%
ECO102833	LPN100900	41%	81.8%	91.1%
ECO102833	MCA102471	33%	75%	75%
ECO102833	NGO101277	33%	81.8%	87.8%
ECO102833	NME201059	33%	81.8%	87.8%
ECO102833	PMU101790	54%	83.0%	86.9%
ECO102833	PRT102346	78%	94.3%	89.2%
ECO102833	PAE200759	45%	81.8%	85.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102833	PPU107872	41%	81.8%	85.7%
ECO102833	PSY102332	44%	81.8%	85.7%
ECO102833	SPA102972	93%	100%	100%
ECO102833	STY104153	93%	100%	100%
ECO102833	VCH102435	57%	85.2%	87.2%
ECO102833	YPS000170	81%	100%	100%
ECO102834	ABA100533	24%	72.4%	75.4%
ECO102834	BPT101177	31%	89.3%	89.3%
ECO102834	BCE101423	24%	40.2%	97.8%
ECO102834	BFU101500	28%	92.9%	84.8%
ECO102834	BMA108730	28%	92.3%	87.4%
ECO102834	CDP100504	29%	31.9%	26.3%
ECO102834	EBC102962	85%	100%	100%
ECO102834	ECO102834	100%	100%	100%
ECO102834	HIN100446	37%	93.6%	98.6%
ECO102834	KPN303346	82%	100%	99.7%
ECO102834	LPN101317	24%	69.9%	63.6%
ECO102834	MCA102416	23%	92.9%	97.9%
ECO102834	NGO100033	24%	82.5%	86.8%
ECO102834	NME201332	23%	82.5%	86.8%
ECO102834	PMU101874	37%	92.3%	94.2%
ECO102834	PRT102360	59%	97.5%	97.3%
ECO102834	PAE200758	31%	91.1%	93.3%
ECO102834	PPU103341	31%	91.1%	93.3%
ECO102834	PSY102335	32%	92.9%	94.6%
ECO102834	SPA102974	84%	100%	100%
ECO102834	STY104154	85%	100%	100%
ECO102834	STM100447	85%	100%	100%
ECO102834	VCH102436	41%	94.5%	93.5%
ECO102834	YPS000171	68%	99.1%	98.2%
ECO102839	ABA101985	21%	15.0%	33.5%
ECO102839	BAN111848	37%	41.3%	81.6%
ECO102839	BAN103164	40%	43.8%	83.9%
ECO102839	BFR105629	61%	37.1%	100%
ECO102839	BPT101500	58%	98.5%	98.8%
ECO102839	BCE101816	65%	35.5%	99.7%
ECO102839	BFU113866	59%	99.7%	98.5%
ECO102839	BMA101641	59%	99.6%	98.4%
ECO102839	CBO103893	40%	14.5%	60.3%
ECO102839	CDF104582	40%	15.0%	56.9%
ECO102839	EBC102216	89%	62.8%	100%
ECO102839	ECO102839	100%	100%	100%
ECO102839	KPN302321	91%	100%	100%
ECO102839	LPN103285	43%	35.6%	89.4%
ECO102839	LMO101451	42%	18.6%	52.9%
ECO102839	MCA102219	58%	99.5%	99.4%
ECO102839	MAV102690	57%	6.5%	61.9%
ECO102839	MBV101231	54%	99.2%	99.9%
ECO102839	MLP101253	53%	98.5%	98.6%
ECO102839	MTU201799	54%	99.2%	99.9%
ECO102839	NGO100494	58%	99.6%	99.7%
ECO102839	NME201783	58%	99.6%	99.7%
ECO102839	PRT105559	78%	100%	100%
ECO102839	PAE205208	65%	99.9%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102839	PPU102796	64%	99.7%	99.5%
ECO102839	PSY104260	60%	99.4%	99.3%
ECO102839	SPA102064	92%	69.9%	100%
ECO102839	STY104159	95%	100%	100%
ECO102839	SAU801535	40%	21.2%	47.6%
ECO102839	SEP200942	39%	46.5%	87.5%
ECO102839	SHA100981	40%	19.5%	50.6%
ECO102839	YPS000177	83%	100%	100%
ECO102842	ABA100860	36%	98%	97.3%
ECO102842	BAN109853	21%	78%	82.4%
ECO102842	BAN110803	22%	78%	82.5%
ECO102842	BCE103921	33%	97.2%	98.0%
ECO102842	BFU102513	34%	97.5%	98.7%
ECO102842	BMA106019	34%	97.5%	98.0%
ECO102842	EBC102213	82%	100%	100%
ECO102842	ECO102842	100%	100%	100%
ECO102842	KPN302315	86%	100%	100%
ECO102842	LPN101662	39%	97.8%	99.5%
ECO102842	MCA100913	33%	86.8%	84.3%
ECO102842	NGO101638	27%	96.8%	98.7%
ECO102842	NME202001	28%	96.8%	98.7%
ECO102842	PMU101726	52%	98%	100%
ECO102842	PRT102355	65%	100%	97.6%
ECO102842	PAE205216	45%	98%	98.0%
ECO102842	PPU102206	45%	98.2%	97.8%
ECO102842	PSY101343	45%	83.8%	98.8%
ECO102842	SPA100602	83%	94.2%	100%
ECO102842	STY104163	87%	100%	100%
ECO102842	VCH102438	56%	99.2%	97.1%
ECO102842	YPS000180	71%	99.8%	99.0%
ECO102847	ABA105202	47%	38.5%	60.9%
ECO102847	BAN105088	29%	95.6%	88.5%
ECO102847	BFR101447	32%	74.7%	97.7%
ECO102847	BPT105849	29%	96.2%	80.1%
ECO102847	BCE106510	29%	96.2%	87.6%
ECO102847	BFU103183	32%	80.2%	69.8%
ECO102847	BMA109897	32%	96.2%	86.9%
ECO102847	CJU101133	39%	18.1%	15.9%
ECO102847	CPN201090	27%	92.3%	88.3%
ECO102847	CTR200018	28%	91.2%	87.1%
ECO102847	CAC100796	25%	93.4%	91.2%
ECO102847	CBO101645	25%	92.9%	90.8%
ECO102847	CDF100385	31%	80.2%	76.2%
ECO102847	CDP100143	31%	45.6%	40.8%
ECO102847	EBC103700	85%	100%	91.9%
ECO102847	EFA200313	28%	87.9%	85.6%
ECO102847	EFM100240	33%	73.6%	70.6%
ECO102847	ECO102847	100%	100%	100%
ECO102847	HIN100838	53%	92.9%	90.4%
ECO102847	HPY100748	29%	51.1%	45.5%
ECO102847	KPN303078	80%	99.5%	91.4%
ECO102847	LPN101529	35%	98.4%	90.7%
ECO102847	LMO101273	27%	71.4%	71.5%
ECO102847	MCA102486	33%	47.3%	95.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102847	MAV101485	29%	81.3%	76.0%
ECO102847	MBV100624	28%	78.6%	64.6%
ECO102847	MLP100128	28%	79.7%	74.1%
ECO102847	MTU200981	28%	78.6%	73.1%
ECO102847	MGE100249	33%	35.7%	38.2%
ECO102847	MPN100488	35%	36.8%	39.6%
ECO102847	NGO100917	31%	78.6%	75.1%
ECO102847	NME200308	26%	97.8%	92.2%
ECO102847	PMU101721	53%	95.1%	91.1%
ECO102847	PRT100675	56%	99.5%	88.3%
ECO102847	PAE205223	39%	95.6%	87.7%
ECO102847	PPU102242	40%	96.2%	88.6%
ECO102847	PSY101332	37%	94.5%	96.2%
ECO102847	SPA101441	82%	100%	100%
ECO102847	STY104168	86%	100%	100%
ECO102847	STM100485	86%	100%	100%
ECO102847	SAU801550	29%	77.5%	74.3%
ECO102847	SEP200967	24%	95.1%	90.2%
ECO102847	SHA101021	30%	77.5%	74.9%
ECO102847	SMU100642	33%	59.9%	58.4%
ECO102847	SPN401902	35%	92.3%	88.4%
ECO102847	TPA100686	33%	37.4%	32%
ECO102847	VCH102443	57%	99.5%	94.3%
ECO102847	YPS000185	69%	99.5%	91.4%
ECO102852	BFR100860	60%	99.2%	97.2%
ECO102852	BFU115799	35%	95.0%	46.1%
ECO102852	CAC100955	27%	15.4%	61.0%
ECO102852	CDP100186	60%	96.5%	95.1%
ECO102852	ECO102852	100%	100%	100%
ECO102852	MAV101088	60%	96.8%	93.3%
ECO102852	MBV102766	60%	96.8%	93.3%
ECO102852	MLP101093	62%	94.7%	90.1%
ECO102852	MTU201472	60%	96.8%	93.3%
ECO102852	NGO101266	37%	7.3%	34.0%
ECO102857	ABA105537	20%	51.6%	53.6%
ECO102857	BAN102598	28%	49.2%	72.3%
ECO102857	BAN112147	24%	62.6%	69.7%
ECO102857	EBC103707	82%	100%	100%
ECO102857	ECO102857	100%	100%	100%
ECO102857	KPN303070	85%	99.2%	100%
ECO102857	MAV100904	29%	76.0%	79.5%
ECO102857	MBV102375	26%	50%	74.3%
ECO102857	MTU203571	26%	65.4%	68.8%
ECO102857	PRT101295	51%	94.7%	98.8%
ECO102857	SPA100221	86%	54.5%	98.5%
ECO102857	STY104484	88%	99.6%	99.2%
ECO102857	VCH100478	37%	85.0%	87.4%
ECO102857	YPS000189	63%	94.7%	92.7%
ECO102868	ABA103851	31%	14.3%	56.3%
ECO102868	ECO102868	100%	100%	100%
ECO102868	MBV106174	27%	18.4%	18.2%
ECO102868	MTU200037	27%	18.4%	17.7%
ECO102869	EFA202092	32%	96.6%	22.6%
ECO102869	EFM200261	38%	98.6%	21.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102869	ECO102869	100%	100%	100%
ECO102869	KPN201713	38%	96.6%	98.6%
ECO102869	LMO101172	37%	98.0%	98.0%
ECO102869	SAU800331	35%	95.2%	95.2%
ECO102869	SPN401937	34%	85.7%	18.8%
ECO102869	SPY201502	37%	97.3%	21.6%
ECO102870	ABA100381	68%	99.5%	98.9%
ECO102870	BAN111549	52%	49.5%	87.1%
ECO102870	BAN102492	50%	98.8%	96.5%
ECO102870	BPT100911	63%	99.1%	98.5%
ECO102870	BCE113404	63%	99.1%	96.1%
ECO102870	BFU111408	60%	98.9%	97.1%
ECO102870	BMA106204	63%	99.1%	96.1%
ECO102870	CJU101551	44%	98.3%	98.1%
ECO102870	CAC101106	49%	98.8%	98.2%
ECO102870	CAC102328	50%	98.8%	98.2%
ECO102870	CDF103784	37%	41.2%	95.3%
ECO102870	CDP100257	45%	99.2%	95.9%
ECO102870	EBC103706	95%	100%	100%
ECO102870	EFA201838	50%	97.7%	98.8%
ECO102870	EFM100121	60%	24.4%	98.8%
ECO102870	ECO102870	100%	100%	100%
ECO102870	HIN101002	77%	100%	100%
ECO102870	KPN303075	95%	100%	100%
ECO102870	LPN102231	75%	28.7%	99.5%
ECO102870	LPN102506	58%	94.6%	98.0%
ECO102870	LMO101021	47%	99.4%	98.1%
ECO102870	MCA100777	67%	99.7%	97.8%
ECO102870	MGE100068	32%	97.6%	98.0%
ECO102870	MPN100073	33%	98.5%	98.9%
ECO102870	NGO100398	64%	99.2%	99.7%
ECO102870	NME201529	64%	99.2%	99.7%
ECO102870	PMU101242	75%	100%	100%
ECO102870	PMU101638	76%	100%	100%
ECO102870	PRT102791	81%	100%	99.8%
ECO102870	PAE200547	72%	100%	99.7%
ECO102870	PPU104660	72%	100%	99.7%
ECO102870	PSY103014	72%	97.3%	99.7%
ECO102870	SPA101296	94%	100%	100%
ECO102870	STY104533	95%	100%	100%
ECO102870	SAU801342	45%	98.6%	98.5%
ECO102870	SEP202003	45%	98.6%	98.5%
ECO102870	SHA100154	54%	40.7%	96.4%
ECO102870	SMU101576	49%	98.6%	98.9%
ECO102870	SPN401839	49%	98.6%	98.9%
ECO102870	SPY201289	51%	98.6%	91.4%
ECO102870	UUR100593	33%	97.7%	98.3%
ECO102870	VCH103347	78%	99.7%	97.4%
ECO102870	VCH100468	78%	100%	95.7%
ECO102870	YPS000208	86%	100%	99.8%
ECO102872	ABA105768	24%	82.0%	84.0%
ECO102872	BAN107335	28%	66.7%	79.1%
ECO102872	BAN106751	36%	88.2%	92.8%
ECO102872	BPT102032	36%	86.9%	91.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102872	BCE104852	49%	97.1%	86.7%
ECO102872	BFU102304	50%	88.6%	84.8%
ECO102872	BMA100624	42%	91.5%	90.2%
ECO102872	CAC101176	27%	81.4%	93.3%
ECO102872	CDF103020	27%	95.1%	99.3%
ECO102872	EBC103712	97%	88.6%	100%
ECO102872	ECO102872	100%	100%	100%
ECO102872	KPN303054	98%	100%	100%
ECO102872	LPN100482	25%	81.7%	81.6%
ECO102872	MCA103142	28%	57.2%	65.2%
ECO102872	NGO101601	73%	99.0%	98.7%
ECO102872	NME201862	73%	99.0%	98.7%
ECO102872	PMU101381	71%	99.3%	99.3%
ECO102872	PRT101181	81%	98.7%	98.7%
ECO102872	PAE201420	40%	91.5%	90.6%
ECO102872	PPU106459	55%	88.2%	84.4%
ECO102872	SPA102479	94%	72.5%	100%
ECO102872	STY104539	98%	100%	100%
ECO102872	STM102066	23%	82.4%	79.9%
ECO102872	SAU802164	27%	63.1%	71.5%
ECO102872	SEP200453	22%	80.1%	78.5%
ECO102872	SHA102088	22%	80.1%	78.5%
ECO102872	SPY201597	24%	83.3%	80.2%
ECO102872	VCH103534	60%	99.3%	98.7%
ECO102878	CPN200131	30%	20.5%	18.7%
ECO102878	CTR100845	31%	18.1%	19.5%
ECO102878	EBC106015	95%	100%	100%
ECO102878	EFM201679	42%	43.8%	90.9%
ECO102878	ECO102878	100%	100%	100%
ECO102878	KPN201723	92%	97.6%	100%
ECO102878	MAV101739	36%	91.8%	94.4%
ECO102878	MBV105298	31%	87.3%	94.4%
ECO102878	MTU203288	32%	91.8%	84.5%
ECO102878	PSY104242	33%	87.3%	96.9%
ECO102878	SPA102475	97%	97.6%	100%
ECO102878	STY104560	97%	100%	100%
ECO102878	STM100573	97%	100%	100%
ECO102878	SEP202196	39%	94.8%	97.8%
ECO102880	BAN108721	29%	27.7%	28.1%
ECO102880	BAN109561	30%	46.8%	45.1%
ECO102880	BPT100275	46%	94.5%	94.2%
ECO102880	EBC106749	85%	100%	100%
ECO102880	ECO102880	100%	100%	100%
ECO102880	KPN302103	85%	100%	100%
ECO102880	MBV105139	32%	26.4%	22.8%
ECO102880	MTU202934	32%	26.4%	22.8%
ECO102880	PRT101790	54%	87.2%	65.5%
ECO102880	PAE202747	50%	94.9%	91.1%
ECO102880	PPU106584	56%	82.1%	68.4%
ECO102880	PSY102563	52%	95.7%	95.3%
ECO102880	SPA102539	83%	100%	100%
ECO102880	STY104564	87%	100%	100%
ECO102880	STM100577	87%	100%	100%
ECO102880	VCH100465	61%	97.9%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102880	YPS000219	79%	91.1%	91.1%
ECO102885	ABA100701	46%	95.0%	88.4%
ECO102885	BMA106277	36%	81.8%	76.6%
ECO102885	CAC102187	43%	92.1%	90.3%
ECO102885	CBO103281	43%	93.8%	89.9%
ECO102885	CDF101037	39%	95.6%	91.7%
ECO102885	EBC103404	72%	95.6%	100%
ECO102885	ECO102885	100%	100%	100%
ECO102885	KPN302118	71%	100%	100%
ECO102885	LPN103418	45%	92.4%	92.4%
ECO102885	MCA102746	46%	95.3%	95.1%
ECO102885	MBV104192	30%	48.7%	43.2%
ECO102885	MTU203605	30%	48.7%	47.4%
ECO102885	NGO101966	47%	95.0%	94.5%
ECO102885	NME200207	48%	95.0%	94.5%
ECO102885	PRT105772	51%	95.6%	97.6%
ECO102885	PAE200394	46%	95.0%	95.1%
ECO102885	PPU102683	46%	92.1%	95.5%
ECO102885	PSY103723	47%	95.0%	95.1%
ECO102885	SPA102545	78%	100%	100%
ECO102885	STY104579	78%	95.6%	100%
ECO102885	VCH100457	49%	95.0%	94.8%
ECO102885	YPS000233	56%	93.8%	90.5%
ECO102920	ECO102918	34%	93.9%	87.3%
ECO102920	ECO102919	36%	92.6%	91.6%
ECO102920	ECO102920	100%	100%	100%
ECO102921	ABA103557	42%	98.6%	89.0%
ECO102921	BAN112240	37%	28.5%	5.3%
ECO102921	BAN111707	34%	89.6%	86.5%
ECO102921	BFR102762	30%	17.8%	21.1%
ECO102921	BPT100941	54%	99.8%	99.6%
ECO102921	BCE106620	41%	97.2%	89.2%
ECO102921	BFU103359	50%	47.9%	59.9%
ECO102921	BMA109810	41%	96.2%	88.6%
ECO102921	CJU101119	25%	24.4%	86.0%
ECO102921	CPN200065	33%	93.2%	34.0%
ECO102921	CTR200064	37%	42.7%	24.4%
ECO102921	CAC101744	33%	96.6%	95.8%
ECO102921	CDP101483	36%	22.8%	38.6%
ECO102921	EBC103757	79%	100%	100%
ECO102921	EFA200337	30%	94.0%	94.4%
ECO102921	EFM100784	27%	22.6%	43.0%
ECO102921	ECO103416	80%	100%	100%
ECO102921	ECO102921	100%	100%	100%
ECO102921	HIN101571	30%	43.3%	35%
ECO102921	HPY101470	27%	28.5%	72.8%
ECO102921	KPN304763	80%	61.1%	100%
ECO102921	LPN103150	31%	32.1%	96.7%
ECO102921	LMO102163	35%	97.4%	97.0%
ECO102921	MCA100847	26%	31.3%	89.3%
ECO102921	MAV103930	28%	96.2%	78.0%
ECO102921	MBV104571	33%	94.2%	74.8%
ECO102921	MLP101343	29%	96.2%	77.8%
ECO102921	MTU200542	33%	94.2%	74.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102921	NGO100709	32%	46.7%	17.7%
ECO102921	NME201949	32%	39.9%	24.0%
ECO102921	PMU100249	32%	23.0%	32.4%
ECO102921	PRT103145	68%	100%	100%
ECO102921	PAE204290	52%	100%	100%
ECO102921	PPU103316	53%	100%	99.8%
ECO102921	PSY103947	52%	99.2%	99.0%
ECO102921	SPA101797	80%	100%	100%
ECO102921	STY100867	81%	100%	100%
ECO102921	STM103553	81%	100%	100%
ECO102921	SAU800664	35%	97.0%	97.9%
ECO102921	SEP200699	34%	96.2%	97.3%
ECO102921	SHA102241	33%	97.0%	97.9%
ECO102921	VCH102406	30%	97.6%	37.9%
ECO102921	YPS002478	70%	100%	100%
ECO102922	CAC100107	29%	20.4%	58.1%
ECO102922	EBC103186	82%	99.8%	99.5%
ECO102922	ECO102922	100%	100%	100%
ECO102922	KPN308954	84%	99.8%	99.5%
ECO102922	PRT100650	70%	98.2%	97.3%
ECO102922	SPA103864	86%	98.9%	98.4%
ECO102922	STY100405	90%	99.8%	99.8%
ECO102922	SHA102036	40%	9.9%	9.9%
ECO102922	VCH101551	29%	13.1%	56.6%
ECO102928	CBO100990	28%	100%	99.8%
ECO102928	ECO102928	100%	100%	100%
ECO102928	PRT101527	72%	100%	100%
ECO102928	SPA103628	90%	90.1%	98.8%
ECO102928	STY100430	93%	100%	100%
ECO102929	ECO102929	100%	100%	100%
ECO102929	LMO101092	25%	38.3%	97.1%
ECO102929	PRT105241	71%	95.9%	95.4%
ECO102929	SPA103626	93%	91.6%	100%
ECO102929	STY100431	96%	100%	100%
ECO102935	BFR12116	56%	94.5%	97.3%
ECO102935	BCE112705	66%	99.4%	98.6%
ECO102935	BFU106872	66%	99.4%	98.6%
ECO102935	BMA107444	67%	99.4%	92.7%
ECO102935	CDP100172	56%	97.4%	94.2%
ECO102935	EBC103723	87%	100%	100%
ECO102935	EFM201542	56%	95.1%	99.1%
ECO102935	ECO102935	100%	100%	100%
ECO102935	KPN301761	59%	96.2%	99.7%
ECO102935	PSY103084	66%	99.4%	99.1%
ECO102935	SPA100617	70%	49.1%	89.5%
ECO102935	STY101139	60%	95.1%	97.9%
ECO102935	STM100906	60%	95.1%	97.9%
ECO102935	SMU100710	25%	77.7%	91.9%
ECO102935	YPS000578	55%	96.2%	100%
ECO102949	ABA105590	62%	98.5%	55.0%
ECO102949	BFR103517	42%	80.9%	54.7%
ECO102949	BFU107731	35%	10.2%	8.2%
ECO102949	CBO100864	42%	85.0%	53.7%
ECO102949	CDF100913	39%	96.1%	61.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102949	EBC103718	92%	79.4%	96.5%
ECO102949	ECO102949	100%	100%	100%
ECO102949	KPN306892	92%	98.8%	54.3%
ECO102949	PAE204923	64%	96.9%	56.1%
ECO102949	PPU107577	62%	99.3%	57.6%
ECO102949	PSY101911	64%	98.8%	100%
ECO102949	SPA105251	92%	94.4%	54.8%
ECO102949	STY100457	93%	96.1%	54.9%
ECO102949	VCH101683	64%	99.8%	52.3%
ECO102950	CPN200382	36%	17.8%	13.9%
ECO102950	EBC102780	93%	98.5%	100%
ECO102950	ECO102950	100%	100%	100%
ECO102950	NME300608	27%	21.2%	89.6%
ECO102950	PSY108481	65%	96.6%	100%
ECO102966	ABA103592	36%	94.2%	94.8%
ECO102966	BAN108519	21%	72%	24.7%
ECO102966	BPT102066	40%	94.5%	87.7%
ECO102966	BCE110576	31%	76.4%	80.5%
ECO102966	BFU110089	27%	76.4%	76.4%
ECO102966	BMA100363	29%	66.5%	52.5%
ECO102966	CPN200952	28%	54.5%	54.9%
ECO102966	CTR200130	28%	57.1%	58.6%
ECO102966	EBC103928	85%	100%	100%
ECO102966	EFM201047	24%	74.9%	76.0%
ECO102966	ECO102966	100%	100%	100%
ECO102966	HIN100379	53%	94.9%	95.3%
ECO102966	KPN309045	83%	100%	100%
ECO102966	MCA103602	31%	90.2%	92.8%
ECO102966	MAV105050	21%	72%	68.5%
ECO102966	MBV103054	33%	61.1%	60.9%
ECO102966	MLP101322	30%	75.6%	66.9%
ECO102966	MTU200799	31%	75.6%	67.0%
ECO102966	PMU101019	54%	94.5%	94.9%
ECO102966	PRT100350	62%	100%	100%
ECO102966	PAE204964	43%	96.7%	97.1%
ECO102966	PPU104681	42%	94.9%	96.6%
ECO102966	PSY101033	45%	97.8%	94.7%
ECO102966	SPA103721	91%	100%	100%
ECO102966	STY100734	92%	100%	100%
ECO102966	SHA102882	31%	20%	20.6%
ECO102966	VCH102398	53%	96%	97.1%
ECO102966	YPS001992	70%	100%	100%
ECO102967	EBC103926	95%	99.3%	99.3%
ECO102967	ECO102967	100%	100%	100%
ECO102967	KPN309071	92%	99.3%	99.3%
ECO102967	PAE204965	37%	98.6%	93.4%
ECO102967	PPU104679	35%	94.3%	91.9%
ECO102967	PSY101043	36%	94.3%	84.0%
ECO102967	SPA103719	95%	100%	100%
ECO102967	STY100736	95%	100%	100%
ECO102967	VCH102399	50%	98.6%	92.6%
ECO102967	YPS001991	79%	98.6%	97.9%
ECO102986	BPT100204	51%	62.7%	95.2%
ECO102986	BCE105324	49%	63.3%	95.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102986	BFU103929	53%	68.8%	98.2%
ECO102986	BMA102492	48%	64.2%	93.0%
ECO102986	CJU101075	42%	97.9%	98.5%
ECO102986	EBC103920	94%	99.8%	100%
ECO102986	ECO102986	100%	100%	100%
ECO102986	HIN101495	71%	97.7%	97.9%
ECO102986	HPY100845	40%	96.6%	98.5%
ECO102986	KPN308271	92%	99.4%	99.4%
ECO102986	LMO101198	33%	26.6%	95.3%
ECO102986	MAV104245	46%	26.6%	93.4%
ECO102986	MLP100531	25%	52.8%	76.5%
ECO102986	NGO100932	50%	64.6%	95.9%
ECO102986	NME200956	50%	64.8%	95.4%
ECO102986	PMU100884	69%	98.3%	98.5%
ECO102986	PRT102176	82%	99.2%	99.8%
ECO102986	PAE204991	57%	99.2%	99.6%
ECO102986	PPU104725	56%	98.5%	100%
ECO102986	PSY101063	58%	99.0%	99.4%
ECO102986	SPA102480	93%	97.5%	100%
ECO102986	STY100790	93%	99.8%	99.8%
ECO102986	SAU800641	30%	27.5%	94.7%
ECO102986	SEP200670	31%	27.5%	94.7%
ECO102986	YPS001982	86%	99.6%	99.8%
ECO102990	ABA100117	56%	90.5%	98.2%
ECO102990	BFR104611	31%	74.0%	65.5%
ECO102990	BPT100463	45%	82.0%	81.6%
ECO102990	BCE100277	53%	97.3%	98.3%
ECO102990	BFU103175	54%	97.1%	98.8%
ECO102990	BMA101052	53%	97.3%	98.3%
ECO102990	CJU100728	35%	50%	54.0%
ECO102990	CAC103726	23%	74.0%	68.8%
ECO102990	CDP101606	30%	75.2%	64.6%
ECO102990	EBC101436	87%	97.6%	100%
ECO102990	ECO102990	100%	100%	100%
ECO102990	HIN101573	58%	98.1%	98.6%
ECO102990	KPN304100	86%	100%	99.8%
ECO102990	LPN102504	55%	98.1%	99.0%
ECO102990	MCA100227	40%	90.5%	89.5%
ECO102990	MAV103429	30%	75.2%	66.7%
ECO102990	MBV106184	30%	72.8%	64.8%
ECO102990	MLP101592	28%	88.8%	84.8%
ECO102990	MTU203852	30%	72.8%	64.8%
ECO102990	NGO100210	54%	97.3%	97.8%
ECO102990	NME201288	54%	97.3%	96.2%
ECO102990	PMU100247	59%	99.5%	98.8%
ECO102990	PRT100516	68%	98.5%	99.8%
ECO102990	PAE200583	60%	98.8%	99.3%
ECO102990	PPU100635	49%	98.1%	99.5%
ECO102990	PSY103399	56%	98.1%	98.8%
ECO102990	SPA101468	85%	98.3%	100%
ECO102990	STY100798	89%	99.8%	99.5%
ECO102990	STM101254	90%	99.8%	99.5%
ECO102990	VCH102410	61%	97.1%	99.3%
ECO102990	YPS001978	72%	98.3%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO102999	BAN101878	64%	54.9%	86.7%
ECO102999	BAN111500	60%	70.4%	87.7%
ECO102999	BFR101607	39%	74.6%	67.9%
ECO102999	BPT103142	60%	100%	100%
ECO102999	BBU100255	37%	97.2%	100%
ECO102999	BCE106500	61%	100%	100%
ECO102999	BFU102600	68%	84.5%	85.7%
ECO102999	BMA102838	68%	84.5%	85.7%
ECO102999	CJU100338	44%	98.6%	100%
ECO102999	CPN200733	40%	83.1%	100%
ECO102999	CTR200610	42%	78.9%	94.8%
ECO102999	CAC101256	58%	81.7%	100%
ECO102999	CBO102486	55%	81.7%	100%
ECO102999	CDF100846	50%	83.1%	100%
ECO102999	EBC104303	100%	90.1%	98.5%
ECO102999	EFA200381	62%	70.4%	86.2%
ECO102999	EFM103017	55%	40.8%	90.6%
ECO102999	ECO102999	100%	100%	100%
ECO102999	HIN100510	83%	100%	100%
ECO102999	HPY100555	44%	98.6%	100%
ECO102999	KPN204459	100%	100%	100%
ECO102999	LPN101208	68%	63.4%	78.9%
ECO102999	LMO101512	56%	70.4%	87.7%
ECO102999	MCA101455	67%	100%	100%
ECO102999	NGO103576	68%	63.4%	81.8%
ECO102999	NME200467	70%	84.5%	85.7%
ECO102999	PMU101239	83%	100%	100%
ECO102999	PRT103336	95%	100%	100%
ECO102999	PAE200578	81%	100%	100%
ECO102999	PSY102551	80%	100%	100%
ECO102999	SPA100115	100%	100%	100%
ECO102999	STY100808	100%	100%	100%
ECO102999	STM101264	100%	100%	100%
ECO102999	SAU801575	56%	74.6%	91.4%
ECO102999	SEP203226	56%	74.6%	91.4%
ECO102999	SHA101643	56%	74.6%	91.4%
ECO102999	SMU102404	64%	70.4%	75.8%
ECO102999	SPN401270	62%	70.4%	75.8%
ECO102999	SPY200574	64%	70.4%	86.2%
ECO102999	TPA100750	40%	100%	100%
ECO102999	VCH100511	88%	100%	100%
ECO102999	YPS001963	100%	100%	100%
ECO103000	ABA100135	40%	71.8%	74.4%
ECO103000	BAN108415	46%	10.8%	100%
ECO103000	BAN103625	38%	66.8%	64.9%
ECO103000	BFR100350	32%	75.6%	66.4%
ECO103000	BPT103140	46%	75.7%	65.1%
ECO103000	BBU100709	29%	70.9%	78.8%
ECO103000	BCE103536	49%	40.4%	94.3%
ECO103000	BFU102598	46%	77.6%	75.7%
ECO103000	BMA106679	41%	95.4%	91.7%
ECO103000	CJU101544	33%	64.2%	59.8%
ECO103000	CPN200902	31%	75.0%	72.6%
ECO103000	CTR200170	33%	64.4%	61.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103000	CAC100870	37%	72.5%	69.1%
ECO103000	CBO101827	39%	61.8%	59.2%
ECO103000	CDF100203	34%	70.9%	66.9%
ECO103000	CDP100521	31%	85.0%	77.8%
ECO103000	EBC100341	90%	66.6%	99.7%
ECO103000	EFA201925	40%	61.8%	58.2%
ECO103000	EFM102089	36%	24.3%	90%
ECO103000	ECO103000	100%	100%	100%
ECO103000	HIN100511	56%	98.3%	97.0%
ECO103000	HPY100011	35%	64.7%	64.9%
ECO103000	KPN301044	90%	100%	100%
ECO103000	LPN100532	43%	99.3%	98.4%
ECO103000	LMO101045	40%	65.2%	61.3%
ECO103000	MCA102484	41%	3.3%	14.0%
ECO103000	MAV100979	33%	73.1%	88.5%
ECO103000	MBV105699	32%	85.7%	78.2%
ECO103000	MLP100501	31%	85.7%	78.3%
ECO103000	MTU202309	32%	85.7%	78.2%
ECO103000	MGE100254	27%	54.0%	53.7%
ECO103000	MPN100483	28%	59.6%	57.6%
ECO103000	NGO100326	44%	88.6%	88.6%
ECO103000	NME201595	45%	88.6%	88.6%
ECO103000	PMU101240	57%	100%	99.3%
ECO103000	PRT100374	73%	79.7%	99.4%
ECO103000	PAE200576	55%	72.5%	64.0%
ECO103000	PPU100647	54%	98.8%	97.7%
ECO103000	PSY103379	54%	98.3%	97.2%
ECO103000	SPA101806	85%	98.5%	99.7%
ECO103000	STY100820	86%	100%	100%
ECO103000	STM101266	86%	100%	100%
ECO103000	SAU801562	37%	61.1%	58.7%
ECO103000	SEP200998	35%	65.9%	63.9%
ECO103000	SHA101656	36%	61.1%	62.0%
ECO103000	SMU100153	27%	71.4%	95.5%
ECO103000	SPN400978	31%	75.7%	75.0%
ECO103000	SPY200576	32%	73.1%	70.7%
ECO103000	TPA100488	28%	80.0%	79.0%
ECO103000	UUR100499	27%	63.3%	58.5%
ECO103000	YPS001962	76%	100%	99.8%
ECO103001	ABA104769	62%	99.5%	99.0%
ECO103001	BAN102742	65%	39.0%	96.0%
ECO103001	BAN100470	62%	34.1%	9.4%
ECO103001	BFR11674	41%	43.7%	92.3%
ECO103001	BPT103127	55%	99.0%	81.9%
ECO103001	BBU100711	30%	100%	99.2%
ECO103001	BCE113968	66%	6.9%	23.5%
ECO103001	BCE107290	55%	98.7%	90.5%
ECO103001	BFU102597	55%	99.0%	90.6%
ECO103001	BMA103953	55%	99.0%	90.6%
ECO103001	CJU100929	36%	92.7%	91.3%
ECO103001	CPN201097	61%	44.5%	46.2%
ECO103001	CTR200894	37%	99.7%	94.4%
ECO103001	CAC102729	63%	34.1%	9.3%
ECO103001	CBO103068	64%	34.1%	9.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103001	CDF103183	66%	38.8%	1.5%
ECO103001	CDP100305	54%	34.9%	0.6%
ECO103001	EBC101192	97%	15.8%	16.1%
ECO103001	EFA201924	63%	34.1%	9.5%
ECO103001	EFM100355	61%	34.1%	10.5%
ECO103001	ECO103001	100%	100%	100%
ECO103001	HIN100512	67%	100%	100%
ECO103001	HPY100086	38%	85.2%	77.2%
ECO103001	KPN301045	95%	100%	100%
ECO103001	LPN102321	62%	99.7%	98.2%
ECO103001	LMO101276	61%	34.1%	9.4%
ECO103001	MCA100749	60%	99.0%	97.4%
ECO103001	MAV103013	41%	6.7%	26.5%
ECO103001	MBV101368	60%	35.6%	2.3%
ECO103001	MLP100627	60%	39.8%	5.2%
ECO103001	MTU202666	60%	35.6%	2.3%
ECO103001	MGE100253	37%	65.6%	96.2%
ECO103001	MPN100484	44%	44.7%	62.7%
ECO103001	NGO100336	52%	99.5%	96.1%
ECO103001	NME201596	53%	99.5%	96.1%
ECO103001	PMU101241	72%	100%	100%
ECO103001	PRT100575	87%	100%	100%
ECO103001	PAE200575	66%	99.2%	98.9%
ECO103001	PPU100648	63%	99.0%	99.3%
ECO103001	PSY101423	66%	99.2%	98.9%
ECO103001	SPA101807	79%	98.4%	100%
ECO103001	STY100822	97%	100%	93.2%
ECO103001	STM101268	97%	100%	93.2%
ECO103001	SAU801561	61%	34.1%	9.5%
ECO103001	SEP200997	55%	27.1%	19.8%
ECO103001	SHA100172	61%	34.1%	10.6%
ECO103001	SMU100154	65%	35.6%	7.0%
ECO103001	SPN400979	64%	35.6%	7.0%
ECO103001	SPY200577	65%	35.6%	7.0%
ECO103001	TPA100489	35%	99.8%	99.7%
ECO103001	UUR100351	45%	44.2%	62.1%
ECO103001	VCH100509	77%	100%	100%
ECO103001	YPS001961	91%	100%	100%
ECO103020	BCE109431	28%	62.6%	90.6%
ECO103020	BFU102845	30%	62.6%	58.0%
ECO103020	BMA103254	28%	74.0%	70.3%
ECO103020	CAC100416	44%	96.7%	98.2%
ECO103020	CDF101374	43%	97.3%	98.8%
ECO103020	EBC102580	84%	97.6%	98.2%
ECO103020	EFA202154	38%	97.0%	99.7%
ECO103020	EFM200659	38%	97.3%	98.8%
ECO103020	ECO103020	100%	100%	100%
ECO103020	KPN303709	80%	98.2%	99.7%
ECO103020	LPN100369	24%	74.9%	71.1%
ECO103020	LMO100582	40%	96.7%	99.7%
ECO103020	SPA108751	80%	97.0%	100%
ECO103020	STY100856	83%	97.6%	94.8%
ECO103020	STM101299	83%	97.6%	98.2%
ECO103020	SMU100226	32%	97.0%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103020	SPN401334	34%	97.0%	91.8%
ECO103020	SPY200315	31%	87.1%	91.8%
ECO103020	YPS001888	73%	97.3%	98.2%
ECO103021	ABA105571	53%	99.4%	99.4%
ECO103021	CAC102504	28%	73.2%	82.5%
ECO103021	CDP100423	35%	89.7%	90.7%
ECO103021	EBC102581	85%	99.4%	99.1%
ECO103021	EFM103205	22%	44.9%	42.5%
ECO103021	ECO103021	100%	100%	100%
ECO103021	HPY200518	42%	13.7%	19.4%
ECO103021	KPN303711	87%	99.4%	98.8%
ECO103021	LPN102662	52%	96.6%	97.8%
ECO103021	MCA101267	21%	61.1%	53.1%
ECO103021	MAV100595	27%	28.3%	27.3%
ECO103021	MBV102718	32%	94.4%	79.1%
ECO103021	MLP100145	22%	34.0%	31.2%
ECO103021	MTU202686	32%	94.4%	79.1%
ECO103021	NGO102022	55%	92.8%	92.9%
ECO103021	NME200243	55%	92.8%	92.9%
ECO103021	PRT101901	34%	90.0%	92.4%
ECO103021	PAE202547	46%	91.0%	83.6%
ECO103021	PPU111253	46%	93.5%	89.0%
ECO103021	PSY105168	34%	93.5%	92.7%
ECO103021	SPA108753	85%	99.1%	98.8%
ECO103021	STY100858	86%	99.1%	98.8%
ECO103021	STM101302	87%	99.1%	98.8%
ECO103021	SPN401382	25%	35.5%	20%
ECO103021	VCH103270	40%	91.0%	91.2%
ECO103021	YPS002741	33%	94.4%	94.2%
ECO103024	BMA106155	28%	94.9%	97.3%
ECO103024	CJU100448	35%	76.4%	96.9%
ECO103024	CAC101727	58%	99.4%	99.2%
ECO103024	CDF101611	34%	76.4%	96.9%
ECO103024	EBC104084	85%	79.2%	100%
ECO103024	EFM200772	55%	99.4%	98.4%
ECO103024	ECO103024	100%	100%	100%
ECO103024	KPN306321	87%	100%	100%
ECO103024	YPS001858	79%	99.4%	99.2%
ECO103029	EBC104070	63%	100%	100%
ECO103029	ECO103029	100%	100%	100%
ECO103029	KPN301952	60%	100%	92.0%
ECO103029	SPA101871	68%	97.6%	97.6%
ECO103029	STY100864	68%	97.6%	97.6%
ECO103029	STM101311	68%	97.6%	97.6%
ECO103029	YPS001848	39%	87.4%	84.5%
ECO103030	CJU101325	29%	83.5%	94.8%
ECO103030	CPN200721	29%	42.5%	12.0%
ECO103030	EBC104087	70%	100%	100%
ECO103030	ECO103030	100%	100%	100%
ECO103030	KPN301954	68%	100%	100%
ECO103030	PRT103868	42%	89.0%	87.7%
ECO103030	PAE200541	36%	88.2%	82.7%
ECO103030	PPU102582	41%	74.8%	72.3%
ECO103030	PSY106182	40%	88.2%	81.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103030	SPA101872	84%	96.1%	100%
ECO103030	STY100866	84%	96.1%	100%
ECO103030	STM101314	84%	96.1%	100%
ECO103030	YPS001846	42%	96.9%	97.6%
ECO103047	EBC104067	90%	99.3%	97.0%
ECO103047	ECO103047	100%	100%	100%
ECO103047	KPN302949	87%	99.3%	97.0%
ECO103047	SPA101135	92%	98.7%	97.0%
ECO103047	STY100910	93%	99.3%	97.0%
ECO103049	CDF100099	22%	23.5%	36.5%
ECO103049	EBC104077	88%	100%	100%
ECO103049	ECO103049	100%	100%	100%
ECO103049	KPN302952	90%	100%	100%
ECO103049	SPA102422	94%	100%	100%
ECO103054	CAC103652	22%	48.9%	45.8%
ECO103054	CBO100821	23%	56.2%	28.7%
ECO103054	ECO103054	100%	100%	100%
ECO103054	LMO101991	21%	22.3%	55.8%
ECO103054	SEP100701	22%	44.3%	46.5%
ECO103055	ECO103055	100%	100%	100%
ECO103059	ECO103059	100%	100%	100%
ECO103059	KPN301970	86%	100%	100%
ECO103059	MAV101420	22%	91.7%	85.0%
ECO103059	PAE202208	31%	93.0%	90.9%
ECO103059	SAU802512	26%	96.4%	96.7%
ECO103059	SEP201038	27%	96.4%	96.9%
ECO103059	SHA101788	27%	96.6%	96.7%
ECO103064	BCE109317	51%	91.8%	100%
ECO103064	BMA108844	47%	99.3%	100%
ECO103064	CDF103015	23%	73.7%	73.6%
ECO103064	EBC100019	86%	8.9%	100%
ECO103064	EBC100022	86%	8.9%	100%
ECO103064	EBC103089	90%	9.4%	97.6%
ECO103064	EBC104063	84%	68.5%	100%
ECO103064	ECO103064	100%	100%	100%
ECO103064	PRT102737	62%	99.3%	99.3%
ECO103064	YPS002910	63%	99.3%	97.9%
ECO103069	ABA100914	33%	98.3%	94.5%
ECO103069	BFR11934	34%	99.7%	97.9%
ECO103069	BPT102002	33%	99.7%	93.2%
ECO103069	BFU111409	34%	99.7%	93.0%
ECO103069	CAC102554	53%	98.3%	99.3%
ECO103069	CBO101667	56%	97.2%	97.6%
ECO103069	CDF100408	46%	99.3%	100%
ECO103069	CDF101639	47%	99.0%	97.6%
ECO103069	EBC103878	91%	99.3%	97.9%
ECO103069	EFA201312	37%	99.0%	99.7%
ECO103069	EFM201347	38%	99.0%	99.0%
ECO103069	ECO103069	100%	100%	100%
ECO103069	HPY100173	37%	98.6%	99.7%
ECO103069	KPN100140	40%	40.9%	93.7%
ECO103069	LMO100774	38%	97.9%	98.6%
ECO103069	MCA100353	31%	99.7%	95.7%
ECO103069	MAV102852	34%	31.8%	24.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103069	MAV103638	34%	31.8%	31.4%
ECO103069	MPN100129	34%	98.3%	99.3%
ECO103069	PAE200554	34%	99.7%	93.2%
ECO103069	PPU104672	33%	99.7%	94.6%
ECO103069	SMU101408	38%	99.0%	99.7%
ECO103069	SPN400530	38%	99.0%	99.7%
ECO103069	SPY201455	37%	99.0%	99.7%
ECO103069	TPA100654	36%	99.0%	97.9%
ECO103069	UUR100603	35%	98.6%	98.6%
ECO103069	YPS000084	59%	99.0%	99.6%
ECO103074	ECO103074	100%	100%	100%
ECO103075	EBC102522	42%	96.5%	85.8%
ECO103075	ECO103075	100%	100%	100%
ECO103075	KPN306854	41%	96.5%	97.7%
ECO103075	PAE202130	34%	96.1%	97.5%
ECO103076	EBC102524	47%	96.4%	96.0%
ECO103076	ECO103076	100%	100%	100%
ECO103076	KPN203709	39%	97.3%	97.8%
ECO103076	SPA103706	40%	93.2%	99.9%
ECO103094	BAN102211	37%	73.4%	99.6%
ECO103094	BAN103847	45%	95.5%	96.2%
ECO103094	BFR10255	33%	94.7%	93.6%
ECO103094	CAC103020	36%	85.4%	97.5%
ECO103094	CBO102910	35%	83.0%	99.0%
ECO103094	CDF103369	38%	85.6%	98.1%
ECO103094	CDP101075	52%	85.3%	97.0%
ECO103094	EBC103897	91%	96.9%	99.7%
ECO103094	EFA200476	43%	71.1%	88.7%
ECO103094	EFM201829	41%	73.5%	93.9%
ECO103094	ECO103094	100%	100%	100%
ECO103094	HIN100222	62%	93.8%	98.5%
ECO103094	KPN300133	97%	22.8%	100%
ECO103094	KPN301427	94%	97.4%	100%
ECO103094	LPN103085	43%	86.4%	99.2%
ECO103094	LMO100391	43%	72.0%	87.7%
ECO103094	MAV100272	48%	88.9%	97.7%
ECO103094	MBV105490	46%	89.5%	97.9%
ECO103094	MLP100490	42%	56.7%	69.9%
ECO103094	MTU201236	46%	89.5%	97.9%
ECO103094	MGE100435	30%	58.0%	85.1%
ECO103094	MPN100219	33%	54.3%	79.6%
ECO103094	PMU101112	61%	94.4%	99.5%
ECO103094	PRT102432	79%	95.7%	99.0%
ECO103094	PAE202838	48%	86.4%	97.2%
ECO103094	PPU101891	46%	85.3%	96.0%
ECO103094	PSY103180	47%	85.3%	95.8%
ECO103094	SPA101061	91%	72.3%	100%
ECO103094	STY100977	97%	100%	100%
ECO103094	SAU802081	39%	73.2%	92.5%
ECO103094	SEP201342	39%	73.8%	92.5%
ECO103094	SHA100953	40%	73.8%	96.6%
ECO103094	SMU100751	42%	74.8%	92.6%
ECO103094	SPN401439	40%	73.5%	95.2%
ECO103094	SPY201084	38%	95.7%	93.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103094	TPA100762	44%	56.2%	55.9%
ECO103094	UUR100589	30%	58.8%	86.2%
ECO103094	VCH103524	45%	96.7%	93.2%
ECO103094	YPS001037	80%	96.6%	99.2%
ECO103097	ABA104153	69%	100%	100%
ECO103097	BAN112139	56%	100%	100%
ECO103097	BAN112261	56%	100%	100%
ECO103097	BFR101219	58%	34.8%	96.9%
ECO103097	BPT102559	65%	100%	100%
ECO103097	BBU100803	55%	89.9%	90.9%
ECO103097	BCE114521	66%	100%	100%
ECO103097	BFU106341	65%	98.9%	97.8%
ECO103097	BMA104593	67%	100%	100%
ECO103097	CJU100816	54%	98.9%	97.8%
ECO103097	CPN200838	46%	100%	100%
ECO103097	CTR200226	46%	100%	100%
ECO103097	CAC101338	53%	89.9%	92.0%
ECO103097	CBO102464	58%	89.9%	76.9%
ECO103097	CDF100875	62%	91.0%	95.3%
ECO103097	CDP100449	57%	100%	100%
ECO103097	EBC103888	93%	100%	100%
ECO103097	EFA202022	52%	100%	100%
ECO103097	EFM202414	56%	100%	100%
ECO103097	ECO103097	100%	100%	100%
ECO103097	HIN101437	80%	100%	100%
ECO103097	HIN101294	80%	100%	100%
ECO103097	HPY101023	51%	98.9%	97.8%
ECO103097	KPN301430	92%	100%	100%
ECO103097	LPN100705	59%	69.7%	95.4%
ECO103097	LMO101938	57%	100%	100%
ECO103097	MCA100389	65%	100%	100%
ECO103097	MAV100300	53%	100%	100%
ECO103097	MBV101245	52%	100%	100%
ECO103097	MLP100514	56%	100%	100%
ECO103097	MTU202747	52%	100%	100%
ECO103097	MGE100434	47%	77.5%	80.2%
ECO103097	MPN100220	50%	76.4%	79.1%
ECO103097	NGO100722	60%	100%	100%
ECO103097	NME200754	60%	100%	100%
ECO103097	PMU100301	78%	100%	100%
ECO103097	PRT102435	88%	100%	100%
ECO103097	PAE204737	69%	100%	100%
ECO103097	PPU105055	70%	100%	100%
ECO103097	PSY104828	77%	70.8%	100%
ECO103097	SPA101259	95%	100%	100%
ECO103097	STY101470	97%	100%	100%
ECO103097	SAU801273	55%	100%	100%
ECO103097	SEP201566	53%	100%	100%
ECO103097	SHA100171	55%	100%	100%
ECO103097	SMU101327	52%	100%	100%
ECO103097	SPN401466	51%	100%	100%
ECO103097	SPY201503	52%	100%	100%
ECO103097	TPA100877	46%	100%	100%
ECO103097	UUR100204	48%	98.9%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103097	VCH100634	74%	100%	100%
ECO103097	YPS006344	86%	100%	100%
ECO103098	ABA100464	48%	95.9%	96.0%
ECO103098	BAN111627	34%	81.8%	84.0%
ECO103098	BAN109916	38%	81.8%	83.4%
ECO103098	BFR100430	32%	68.2%	94.8%
ECO103098	BPT100250	46%	73.9%	98.0%
ECO103098	BBU100802	36%	66.2%	74.5%
ECO103098	BCE108686	46%	98.1%	96.8%
ECO103098	BFU101157	45%	98.1%	97.1%
ECO103098	BMA109950	45%	96.2%	98.0%
ECO103098	CJU101028	30%	66.9%	77.2%
ECO103098	CPN200432	41%	64.3%	86.0%
ECO103098	CTR200363	42%	67.2%	87.6%
ECO103098	CAC102432	36%	92.7%	97.2%
ECO103098	CBO100717	35%	90.8%	95.2%
ECO103098	CDF100873	35%	91.4%	94.7%
ECO103098	CDP100454	39%	66.9%	72.7%
ECO103098	EBC101433	90%	99.7%	100%
ECO103098	EFA200593	38%	83.1%	84.6%
ECO103098	EFM202633	36%	83.8%	78.4%
ECO103098	ECO103098	100%	100%	100%
ECO103098	HIN101257	60%	93.6%	92.3%
ECO103098	KPN301431	89%	100%	100%
ECO103098	LPN102640	43%	95.2%	95.7%
ECO103098	LMO102138	38%	83.8%	85.5%
ECO103098	MCA100805	37%	98.4%	98.7%
ECO103098	MAV100285	38%	66.6%	71.8%
ECO103098	MBV101244	42%	66.6%	71.8%
ECO103098	MLP100948	35%	92.0%	87.5%
ECO103098	MTU202755	42%	66.6%	71.8%
ECO103098	NGO101078	42%	93.0%	92.2%
ECO103098	NME201447	42%	93.0%	92.2%
ECO103098	PMU100756	57%	99.0%	99.3%
ECO103098	PRT102436	70%	98.7%	97.5%
ECO103098	PAE204738	50%	98.4%	99.3%
ECO103098	PPU107161	50%	98.4%	99.0%
ECO103098	PSY104829	49%	98.4%	99.0%
ECO103098	SPA101258	93%	100%	100%
ECO103098	STY101471	93%	100%	100%
ECO103098	SAU801271	37%	69.7%	74.4%
ECO103098	SEP201564	39%	67.8%	72.5%
ECO103098	SHA100169	34%	53.8%	73.0%
ECO103098	SMU100957	38%	74.5%	82.5%
ECO103098	SPN401091	38%	75.2%	84.9%
ECO103098	SPY200961	33%	95.5%	99.7%
ECO103098	TPA100879	29%	64.0%	61.2%
ECO103098	UUR100356	33%	65.6%	92.1%
ECO103098	VCH100633	66%	97.5%	98.1%
ECO103098	YPS001049	72%	99.0%	96.0%
ECO103100	ABA104593	51%	99.9%	100%
ECO103100	BAN113310	37%	72.8%	94.4%
ECO103100	BAN110029	49%	74.3%	96.4%
ECO103100	BFR11714	43%	91.1%	81.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103100	BPT100248	50%	89.3%	95.4%
ECO103100	BBU100800	45%	69.9%	71.3%
ECO103100	BCE101969	56%	79.8%	100%
ECO103100	BFU100867	49%	99.9%	100%
ECO103100	BMA109716	50%	99.3%	100%
ECO103100	CJU100125	38%	99.9%	100%
ECO103100	CPN200434	33%	98.7%	97.9%
ECO103100	CTR200365	33%	98.7%	97.9%
ECO103100	CAC100425	53%	64.9%	84.4%
ECO103100	CBO103185	48%	74.3%	94.1%
ECO103100	CDF102888	53%	65.2%	90.6%
ECO103100	CDP100479	50%	64.3%	96.5%
ECO103100	EBC101431	93%	19.4%	32.3%
ECO103100	EFA200621	44%	82.6%	95.1%
ECO103100	EFM201052	45%	80.3%	99.0%
ECO103100	ECO103100	100%	100%	100%
ECO103100	HIN101252	70%	94.2%	99.4%
ECO103100	HPY101031	37%	94.5%	90.9%
ECO103100	KPN301426	95%	93.7%	99.9%
ECO103100	LPN102343	71%	49.0%	100%
ECO103100	LMO100282	47%	83.0%	92.8%
ECO103100	MCA100802	50%	92.9%	98.3%
ECO103100	MAV100286	48%	64.7%	97.5%
ECO103100	MBV104310	50%	48.8%	99.8%
ECO103100	MLP100953	44%	71.5%	71.9%
ECO103100	MTU202801	45%	71.8%	72.9%
ECO103100	MGE100144	42%	63.6%	91.4%
ECO103100	MPN100676	41%	67.5%	97.6%
ECO103100	NGO101494	51%	89.2%	99.9%
ECO103100	NME201748	47%	99.9%	100%
ECO103100	PMU100759	71%	93.9%	98.8%
ECO103100	PRT102425	78%	99.9%	99.9%
ECO103100	PAE204740	57%	99.9%	100%
ECO103100	PPU108488	55%	99.9%	100%
ECO103100	PSY104832	68%	62.2%	100%
ECO103100	SPA101256	93%	52.0%	100%
ECO103100	STY101473	96%	100%	100%
ECO103100	SAU801269	48%	77.3%	99.6%
ECO103100	SEP201562	47%	81.3%	99.9%
ECO103100	SHA100514	47%	77.9%	93.8%
ECO103100	SMU100784	40%	88.9%	89.0%
ECO103100	SPN400481	39%	96.7%	96.2%
ECO103100	SPY201321	41%	90%	81.3%
ECO103100	TPA100881	47%	72.0%	80.8%
ECO103100	UUR100322	44%	64.5%	93.3%
ECO103100	VCH100631	71%	99.9%	99.9%
ECO103100	YPS001051	82%	100%	100%
ECO103101	ABA103925	53%	99.2%	99.8%
ECO103101	BAN104708	34%	67.7%	94.9%
ECO103101	BAN102313	37%	69.3%	92.9%
ECO103101	BFR10840	30%	67.9%	89.5%
ECO103101	BPT100246	51%	99.8%	100%
ECO103101	BBU100799	25%	96.6%	94.8%
ECO103101	BCE107342	49%	99.2%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103101	BFU100866	50%	99.2%	99.8%
ECO103101	BMA107734	50%	99.2%	99.8%
ECO103101	CJU100425	30%	69.3%	94.2%
ECO103101	CPN200435	30%	95.2%	99.8%
ECO103101	CTR200366	31%	92.5%	98.6%
ECO103101	CAC100279	36%	71.3%	99.7%
ECO103101	CBO102108	36%	72.1%	77.7%
ECO103101	CDF102471	36%	77.4%	98.4%
ECO103101	CDP100481	33%	54.9%	83.4%
ECO103101	EBC101239	93%	99.2%	100%
ECO103101	EFA200624	35%	79.0%	100%
ECO103101	EFM201833	36%	77.4%	99.0%
ECO103101	ECO103101	100%	100%	100%
ECO103101	HIN101251	73%	99.8%	100%
ECO103101	HPY101493	26%	70.7%	95.2%
ECO103101	KPN300994	95%	100%	100%
ECO103101	LPN100039	60%	99.2%	99.8%
ECO103101	LMO100131	39%	68.3%	90.6%
ECO103101	MCA100801	47%	99.2%	99.8%
ECO103101	MAV103287	27%	39.4%	97.8%
ECO103101	MBV103220	34%	67.3%	91.9%
ECO103101	MLP100955	32%	70.7%	96.8%
ECO103101	MTU202803	34%	67.3%	91.9%
ECO103101	MGE100143	29%	71.3%	67.6%
ECO103101	MPN100677	28%	70.1%	65.4%
ECO103101	NGO101492	48%	99.0%	99.8%
ECO103101	NME201747	47%	99.8%	98.8%
ECO103101	PMU100760	74%	99.6%	100%
ECO103101	PRT102427	85%	100%	100%
ECO103101	PAE204741	64%	99.2%	99.8%
ECO103101	PPU108490	63%	89.9%	99.8%
ECO103101	PSY104834	63%	99.2%	99.8%
ECO103101	SPA101734	89%	100%	100%
ECO103101	STY101474	93%	100%	100%
ECO103101	SAU801266	38%	69.1%	87.2%
ECO103101	SEP201559	37%	77.6%	94.8%
ECO103101	SHA101153	38%	69.1%	90.2%
ECO103101	SMU100777	33%	69.7%	90.4%
ECO103101	SPN400478	32%	70.7%	96.3%
ECO103101	SPY201324	32%	70.7%	95.3%
ECO103101	TPA100882	29%	91.5%	94.4%
ECO103101	UUR100320	27%	66.3%	77.1%
ECO103101	VCH100630	78%	100%	100%
ECO103101	YPS001052	88%	100%	100%
ECO103104	BPT101520	35%	85.6%	100%
ECO103104	ECO103104	100%	100%	100%
ECO103104	HPY201308	25%	77.9%	79.6%
ECO103104	PRT105681	32%	92.9%	94.7%
ECO103115	ABA101804	72%	97.6%	97.6%
ECO103115	BAN102544	58%	95.3%	83.3%
ECO103115	BAN111062	58%	95.3%	85.1%
ECO103115	BFR10883	63%	96.5%	91.0%
ECO103115	BPT102470	71%	98.8%	97.7%
ECO103115	BBU100779	65%	96.5%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103115	BCE103036	65%	96.5%	94.3%
ECO103115	BFU106480	63%	96.5%	94.3%
ECO103115	BMA101618	65%	96.5%	94.3%
ECO103115	CJU100084	65%	96.5%	96.4%
ECO103115	CPN200204	56%	100%	97.6%
ECO103115	CTR200690	56%	96.5%	95.2%
ECO103115	CAC103330	70%	95.3%	80%
ECO103115	CBO102962	66%	90.6%	77%
ECO103115	CDF101911	66%	91.8%	81.2%
ECO103115	CDP101220	64%	96.5%	90.9%
ECO103115	EBC100461	95%	100%	100%
ECO103115	EFA202214	61%	95.3%	81.6%
ECO103115	EFM200824	64%	95.3%	82.5%
ECO103115	ECO103115	100%	100%	100%
ECO103115	HIN100859	87%	100%	100%
ECO103115	HPY100293	63%	100%	95.5%
ECO103115	KPN300596	94%	100%	100%
ECO103115	LPN100139	70%	100%	92.4%
ECO103115	LMO100798	60%	98.8%	86.5%
ECO103115	MCA101440	69%	100%	100%
ECO103115	MAV104122	64%	98.8%	93.2%
ECO103115	MBV104431	64%	96.5%	93.0%
ECO103115	MLP100903	64%	98.8%	93.2%
ECO103115	MTU202405	64%	96.5%	93.0%
ECO103115	MGE100239	55%	90.6%	74.0%
ECO103115	MPN100509	57%	90.6%	74.0%
ECO103115	NGO101635	76%	96.5%	91.1%
ECO103115	NME202000	76%	96.5%	91.1%
ECO103115	PMU100348	90%	100%	100%
ECO103115	PRT100790	95%	100%	100%
ECO103115	PAE204565	76%	98.8%	98.8%
ECO103115	PPU109793	69%	98.8%	98.8%
ECO103115	PSY102707	70%	96.5%	90.1%
ECO103115	SPA100460	95%	100%	100%
ECO103115	STY101487	95%	100%	100%
ECO103115	SAU801645	60%	97.6%	82.8%
ECO103115	SEP201610	60%	97.6%	82.8%
ECO103115	SHA100024	59%	97.6%	82.8%
ECO103115	SMU100757	60%	95.3%	82.5%
ECO103115	SPN401014	59%	95.3%	89.9%
ECO103115	SPY200612	59%	95.3%	82.5%
ECO103115	TPA100735	52%	100%	95.4%
ECO103115	UUR100211	58%	80%	68%
ECO103115	VCH100431	89%	97.6%	96.5%
ECO103115	YPS002142	94%	100%	100%
ECO103116	ABA105440	61%	99.0%	99.0%
ECO103116	BAN107763	44%	100%	100%
ECO103116	BAN108298	44%	100%	100%
ECO103116	BFR10884	37%	100%	86.8%
ECO103116	BPT104764	47%	100%	42.0%
ECO103116	BBU100777	32%	98.1%	98.1%
ECO103116	BCE111959	44%	100%	100%
ECO103116	BFU106477	43%	100%	83.1%
ECO103116	BMA107479	43%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103116	CJU100083	40%	100%	100%
ECO103116	CPN200203	38%	97.1%	95.3%
ECO103116	CTR200691	43%	94.2%	92.5%
ECO103116	CAC100327	38%	100%	100%
ECO103116	CBO100385	44%	100%	78.2%
ECO103116	CDF101910	41%	100%	97.2%
ECO103116	CDP101222	38%	98.1%	99.0%
ECO103116	EBC100460	100%	31.1%	100%
ECO103116	EFA202217	41%	100%	96.2%
ECO103116	EFM200259	43%	100%	100%
ECO103116	ECO103116	100%	100%	100%
ECO103116	HIN100860	79%	100%	100%
ECO103116	HPY100292	46%	99.0%	98.1%
ECO103116	KPN300595	96%	87.4%	100%
ECO103116	LPN100481	53%	98.1%	98.1%
ECO103116	LMO101855	42%	100%	100%
ECO103116	MCA101422	62%	100%	100%
ECO103116	MAV102387	39%	97.1%	96.1%
ECO103116	MBV104430	37%	98.1%	96.2%
ECO103116	MLP100904	37%	97.1%	96.1%
ECO103116	MTU202406	37%	98.1%	96.2%
ECO103116	MGE100237	32%	95.1%	94%
ECO103116	MPN100511	34%	95.1%	94%
ECO103116	NGO101632	54%	99.0%	89.5%
ECO103116	NME201999	54%	99.0%	100%
ECO103116	PMU100347	83%	100%	100%
ECO103116	PRT100789	78%	99.0%	100%
ECO103116	PAE204566	64%	100%	100%
ECO103116	PPU108773	60%	99.0%	65.0%
ECO103116	PSY108282	56%	100%	64.8%
ECO103116	SPA100461	97%	69.9%	100%
ECO103116	STY101488	99%	100%	100%
ECO103116	SAU801647	41%	100%	100%
ECO103116	SEP201612	39%	100%	100%
ECO103116	SMU100215	36%	99.0%	97.1%
ECO103116	SPN401012	39%	99.0%	97.1%
ECO103116	SPY200610	37%	99.0%	97.1%
ECO103116	TPA100737	32%	98.1%	97.1%
ECO103116	UUR100213	42%	99.0%	98%
ECO103116	VCH100430	78%	100%	100%
ECO103116	YPS002148	88%	100%	100%
ECO103159	ABA100671	35%	96.7%	95.4%
ECO103159	BPT102294	42%	93.9%	99.5%
ECO103159	BCE101468	44%	93.9%	99.5%
ECO103159	BFU100537	39%	56.6%	99.2%
ECO103159	BMA107004	44%	93.9%	99.5%
ECO103159	EBC102178	95%	99.5%	99.5%
ECO103159	ECO103159	100%	100%	100%
ECO103159	HIN101410	62%	95.8%	95.8%
ECO103159	KPN302003	93%	99.5%	99.5%
ECO103159	LPN101126	63%	98.1%	99.0%
ECO103159	MCA100934	40%	87.3%	90.8%
ECO103159	NGO101309	44%	93.9%	99.5%
ECO103159	NME200463	45%	93.9%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103159	PMU100522	67%	94.3%	94.3%
ECO103159	PRT100887	81%	98.6%	98.1%
ECO103159	PAE204426	53%	93.4%	97.1%
ECO103159	PPU111756	56%	93.4%	96.1%
ECO103159	PSY103836	57%	93.4%	97.1%
ECO103159	SPA100956	97%	99.1%	100%
ECO103159	STY101557	97%	99.5%	99.5%
ECO103159	VCH100566	72%	99.5%	100%
ECO103159	YPS002273	83%	98.6%	98.1%
ECO103160	ABA100673	76%	100%	100%
ECO103160	BAN112009	53%	100%	100%
ECO103160	BAN109246	55%	100%	100%
ECO103160	BFR11427	50%	93.1%	94.5%
ECO103160	BPT102858	64%	100%	100%
ECO103160	BBU100337	56%	97.7%	93.4%
ECO103160	BCE104886	63%	100%	100%
ECO103160	BFU103523	65%	100%	100%
ECO103160	BMA104857	63%	100%	100%
ECO103160	CJU101395	49%	95.4%	96.9%
ECO103160	CPN200506	47%	93.8%	91.8%
ECO103160	CTR200396	47%	93.8%	91.7%
ECO103160	CAC102494	63%	100%	100%
ECO103160	CBO103462	59%	100%	100%
ECO103160	CDF100063	60%	100%	100%
ECO103160	CDP100047	50%	93.1%	68.4%
ECO103160	EBC102179	99%	100%	100%
ECO103160	EFA200812	52%	100%	100%
ECO103160	EFM201820	52%	100%	100%
ECO103160	ECO103160	100%	100%	100%
ECO103160	HIN101411	86%	100%	100%
ECO103160	HPY100081	51%	95.4%	96.9%
ECO103160	KPN302005	100%	100%	100%
ECO103160	LPN102542	61%	100%	100%
ECO103160	LMO100441	55%	100%	100%
ECO103160	MCA100086	73%	95.4%	96.9%
ECO103160	MAV103416	51%	93.1%	72.9%
ECO103160	MBV101153	52%	93.1%	80.1%
ECO103160	MLP100233	46%	98.5%	83.7%
ECO103160	MTU203395	52%	93.1%	80.1%
ECO103160	MGE100427	46%	100%	100%
ECO103160	MPN100226	47%	100%	100%
ECO103160	NGO102668	64%	96.2%	96.2%
ECO103160	NME200353	64%	96.2%	96.2%
ECO103160	PMU100521	89%	100%	100%
ECO103160	PRT100490	91%	100%	100%
ECO103160	PAE204430	76%	100%	100%
ECO103160	PPU105982	75%	100%	100%
ECO103160	PSY108021	76%	100%	100%
ECO103160	SPA100957	99%	100%	100%
ECO103160	STY101559	99%	100%	100%
ECO103160	SAU802217	50%	100%	100%
ECO103160	SEP202046	50%	100%	100%
ECO103160	SHA100041	50%	100%	100%
ECO103160	SMU101370	52%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103160	SPN400272	50%	100%	100%
ECO103160	SPY201485	50%	100%	100%
ECO103160	TPA101014	49%	98.5%	99.2%
ECO103160	UUR100583	55%	96.9%	94.7%
ECO103160	VCH100561	90%	100%	100%
ECO103160	YPS002276	92%	100%	100%
ECO103161	ABA100676	71%	100%	100%
ECO103161	BAN101291	58%	98.6%	96.6%
ECO103161	BAN111521	58%	98.6%	96.6%
ECO103161	BFR11426	48%	99.3%	93.5%
ECO103161	BPT102861	65%	99.3%	99.3%
ECO103161	BBU100338	51%	95.1%	92.5%
ECO103161	BCE107311	64%	100%	80.7%
ECO103161	BFU103522	65%	100%	100%
ECO103161	BMA107182	64%	100%	79.3%
ECO103161	CJU101396	52%	93.7%	95.0%
ECO103161	CPN200505	47%	99.3%	95.3%
ECO103161	CTR200395	52%	98.6%	94.7%
ECO103161	CAC102148	52%	100%	98.6%
ECO103161	CBO103121	54%	100%	97.9%
ECO103161	CDF100062	54%	99.3%	98.6%
ECO103161	CDP100045	47%	99.3%	95.9%
ECO103161	EBC102180	98%	100%	100%
ECO103161	EFA200811	58%	98.6%	95.9%
ECO103161	EFM201491	60%	98.6%	79.5%
ECO103161	ECO103161	100%	100%	100%
ECO103161	HIN101412	91%	100%	100%
ECO103161	HPY100082	51%	93.7%	94.3%
ECO103161	KPN301994	96%	100%	100%
ECO103161	LPN102178	71%	100%	98.6%
ECO103161	LMO100177	55%	98.6%	96.6%
ECO103161	MCA103453	68%	98.6%	97.9%
ECO103161	MAV103415	51%	96.5%	93.2%
ECO103161	MBV101152	52%	95.1%	69.2%
ECO103161	MLP100232	49%	100%	96.6%
ECO103161	MTU203396	52%	96.5%	93.2%
ECO103161	MGE100428	43%	95.1%	93.2%
ECO103161	MPN100225	42%	96.5%	93.8%
ECO103161	NGO101071	68%	100%	99.3%
ECO103161	NME200352	67%	100%	99.3%
ECO103161	PMU100520	90%	100%	100%
ECO103161	PRT100489	93%	100%	100%
ECO103161	PAE204431	74%	100%	100%
ECO103161	PPU105984	73%	100%	100%
ECO103161	PSY103838	74%	96.5%	96.5%
ECO103161	SPA100958	100%	100%	100%
ECO103161	STY101563	100%	100%	100%
ECO103161	SAU802218	58%	96.5%	94.5%
ECO103161	SEP202048	54%	96.5%	94.5%
ECO103161	SHA100040	56%	72.5%	92.0%
ECO103161	SMU101369	55%	98.6%	94.6%
ECO103161	SPN400271	58%	98.6%	94.6%
ECO103161	SPY201486	57%	98.6%	94.6%
ECO103161	TPA101015	48%	96.5%	96.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103161	UUR100584	46%	92.3%	88.5%
ECO103161	VCH100560	77%	100%	100%
ECO103161	YPS002279	95%	100%	100%
ECO103163	EBC102436	90%	98.5%	100%
ECO103163	ECO103163	100%	100%	100%
ECO103163	HIN101594	37%	92.5%	89.6%
ECO103163	KPN301998	92%	100%	100%
ECO103163	PMU100688	40%	92.5%	92.0%
ECO103163	PRT100487	68%	98.5%	99.3%
ECO103163	PAE204439	24%	86.6%	81.8%
ECO103163	PPU111785	23%	90.3%	86.2%
ECO103163	PSY103846	25%	82.1%	85.0%
ECO103163	SPA100846	93%	99.3%	96.4%
ECO103163	STY101569	96%	100%	100%
ECO103163	STM101859	97%	100%	100%
ECO103163	VCH100557	44%	94.0%	87.6%
ECO103163	YPS002289	80%	94.0%	94.8%
ECO103164	ABA102114	35%	90.3%	93.0%
ECO103164	BPT102616	37%	96.7%	96.4%
ECO103164	BCE114751	42%	75.6%	86.3%
ECO103164	BFU102903	42%	75.4%	84.8%
ECO103164	BMA102577	42%	75.6%	86.1%
ECO103164	CPN200861	36%	97.8%	76.2%
ECO103164	CAC101858	40%	75.2%	69.0%
ECO103164	CDF103193	41%	79.6%	73.8%
ECO103164	CDP100135	36%	73.6%	74.8%
ECO103164	EBC102437	84%	100%	100%
ECO103164	ECO103164	100%	100%	100%
ECO103164	HIN101231	57%	100%	100%
ECO103164	KPN302000	81%	100%	100%
ECO103164	MBV100623	35%	73.4%	88.2%
ECO103164	MTU200972	34%	73.4%	69.2%
ECO103164	NGO101854	34%	91.4%	88.8%
ECO103164	NME200654	35%	91.4%	88.8%
ECO103164	PMU100734	58%	100%	100%
ECO103164	PRT100486	65%	99.8%	98.5%
ECO103164	SPA100847	89%	100%	100%
ECO103164	STY101572	90%	100%	100%
ECO103164	STM101862	89%	100%	100%
ECO103164	SPN402042	35%	71.9%	84.1%
ECO103164	YPS002292	72%	100%	100%
ECO103175	BPT105606	23%	76.4%	67.2%
ECO103175	BCE100520	30%	22.5%	47.3%
ECO103175	BFU102649	21%	86.1%	63.6%
ECO103175	BMA106473	22%	86.1%	64.6%
ECO103175	EBC100005	73%	9.5%	59.1%
ECO103175	EBC103540	75%	99.2%	77.8%
ECO103175	ECO103175	100%	100%	100%
ECO103175	KPN302541	71%	98.5%	100%
ECO103175	LPN102990	21%	98.4%	75.6%
ECO103175	PRT101519	38%	99.9%	77.7%
ECO103175	PAE204474	21%	97.9%	75.7%
ECO103175	PPU109810	20%	98.7%	76.1%
ECO103175	PSY104777	22%	93.3%	72.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103175	SPA100160	74%	34.4%	100%
ECO103175	STY101629	79%	100%	78.0%
ECO103175	VCH100415	27%	97.9%	75.1%
ECO103175	YPS003182	48%	99.9%	78.5%
ECO103176	BCE109237	27%	24.5%	68.0%
ECO103176	ECO103176	100%	100%	100%
ECO103176	KPN305789	74%	100%	100%
ECO103176	SPA101850	81%	99.3%	100%
ECO103181	ABA101202	68%	93.5%	98.6%
ECO103181	BAN111944	44%	89.1%	96.8%
ECO103181	BAN102999	58%	90.5%	97.1%
ECO103181	BFR10062	45%	89.6%	96.5%
ECO103181	BPT102509	73%	91.3%	96.8%
ECO103181	BBU100714	52%	87.7%	89.2%
ECO103181	BCE109815	71%	93.2%	98.6%
ECO103181	BFU108081	70%	91.6%	97.1%
ECO103181	BFU113174	71%	93.2%	98.6%
ECO103181	BMA103717	71%	93.2%	98.6%
ECO103181	CJU100248	55%	92.1%	97.4%
ECO103181	CPN201000	55%	95.1%	94.3%
ECO103181	CTR200082	54%	95.1%	94.3%
ECO103181	CAC102861	58%	88.6%	95.8%
ECO103181	CBO101490	59%	89.4%	96.1%
ECO103181	CDF101880	57%	90.5%	94.1%
ECO103181	EBC103541	100%	94.6%	100%
ECO103181	ECO103181	100%	100%	100%
ECO103181	HIN100036	78%	96.5%	93.9%
ECO103181	HPY101353	51%	94.3%	99.7%
ECO103181	KPN302551	99%	94.6%	100%
ECO103181	LMO102883	57%	90.7%	97.6%
ECO103181	PMU101955	80%	94.6%	99.4%
ECO103181	PRT101213	95%	94.6%	100%
ECO103181	PAE204479	79%	94.6%	100%
ECO103181	PPU108925	79%	97.8%	100%
ECO103181	PSY104799	81%	57.2%	100%
ECO103181	SPA101315	91%	78.2%	100%
ECO103181	STY101647	100%	94.6%	100%
ECO103181	TPA100493	52%	92.1%	96.8%
ECO103181	VCH100410	90%	94.6%	100%
ECO103181	YPS003161	99%	94.6%	100%
ECO103182	BPT101055	23%	63.5%	65.3%
ECO103182	EBC103543	76%	100%	100%
ECO103182	ECO103182	100%	100%	100%
ECO103182	KPN302547	73%	100%	100%
ECO103182	LPN102746	22%	75.1%	78.2%
ECO103182	PAE201432	22%	81.1%	79.2%
ECO103182	PPU107473	21%	81.1%	79.6%
ECO103182	SPA101314	83%	99.2%	100%
ECO103182	STY101649	84%	100%	100%
ECO103182	VCH100393	32%	100%	96.9%
ECO103182	YPS003159	50%	99.2%	100%
ECO103185	ABA100121	43%	97.4%	96.4%
ECO103185	BAN102691	32%	100%	95.4%
ECO103185	BAN100195	35%	98.7%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103185	BFR12359	33%	91.0%	86.0%
ECO103185	BPT102941	56%	99.4%	99.3%
ECO103185	BCE100976	55%	64.1%	97.8%
ECO103185	BFU107829	54%	99.4%	99.4%
ECO103185	BMA104958	52%	99.4%	99.4%
ECO103185	CJU101215	37%	100%	98.7%
ECO103185	CPN200574	29%	97.4%	95.2%
ECO103185	CTR200393	31%	97.4%	96.3%
ECO103185	CAC102521	33%	99.4%	98.1%
ECO103185	CBO102046	31%	100%	98.7%
ECO103185	CDF101397	32%	100%	98.7%
ECO103185	EBC103552	91%	100%	100%
ECO103185	EFA203429	32%	97.4%	95.7%
ECO103185	EFM200558	31%	100%	93.4%
ECO103185	ECO103185	100%	100%	100%
ECO103185	HIN100950	69%	100%	100%
ECO103185	HPY100367	29%	100%	98.7%
ECO103185	KPN307946	88%	100%	100%
ECO103185	LPN101729	51%	100%	100%
ECO103185	LMO100213	39%	97.4%	95.5%
ECO103185	MCA103068	38%	98.1%	97.1%
ECO103185	NGO101619	61%	99.4%	99.3%
ECO103185	NME200553	60%	99.4%	99.3%
ECO103185	PMU101092	65%	100%	100%
ECO103185	PRT101210	69%	100%	100%
ECO103185	PAE204842	64%	99.4%	99.4%
ECO103185	PPU108140	66%	99.4%	99.3%
ECO103185	PSY100848	61%	99.4%	99.3%
ECO103185	SPA101602	92%	100%	100%
ECO103185	STY101662	92%	100%	100%
ECO103185	STM102306	92%	100%	100%
ECO103185	SAU801527	34%	100%	100%
ECO103185	SEP200910	34%	100%	100%
ECO103185	SHA101871	35%	100%	100%
ECO103185	SMU100535	34%	100%	100%
ECO103185	SPN400383	37%	100%	100%
ECO103185	SPY201346	34%	100%	100%
ECO103185	VCH100292	72%	100%	78.1%
ECO103185	YPS003132	82%	100%	100%
ECO103186	ABA100122	64%	98.9%	97.1%
ECO103186	BAN102154	47%	97.8%	99.8%
ECO103186	BAN113444	53%	98.4%	98.7%
ECO103186	BFR11898	48%	99.8%	89.1%
ECO103186	BFR11613	50%	98.4%	87.9%
ECO103186	BPT102938	67%	98.9%	99.1%
ECO103186	BCE104481	66%	100%	98.7%
ECO103186	BFU115826	65%	100%	98.7%
ECO103186	BMA101045	66%	98.9%	97.6%
ECO103186	CJU101214	53%	98.2%	99.3%
ECO103186	CPN200575	49%	98.7%	97.8%
ECO103186	CTR200394	51%	98.7%	97.2%
ECO103186	CAC103617	57%	98.9%	99.6%
ECO103186	CBO103874	55%	98.9%	99.3%
ECO103186	CDF101399	53%	98.2%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103186	CDP100823	46%	96.0%	38.1%
ECO103186	EBC102634	93%	70.2%	100%
ECO103186	EFA200245	52%	98.4%	97.4%
ECO103186	EFM201807	52%	98.7%	96.9%
ECO103186	ECO103186	100%	100%	100%
ECO103186	HIN100951	82%	99.8%	100%
ECO103186	HPY100366	51%	98.2%	96.3%
ECO103186	KPN308876	96%	100%	100%
ECO103186	LPN102993	74%	98.9%	99.3%
ECO103186	LMO101165	53%	98.4%	97.8%
ECO103186	MCA102208	62%	98.2%	98.4%
ECO103186	MAV103606	47%	98.9%	62.9%
ECO103186	MBV101167	45%	98.7%	68.2%
ECO103186	MLP100439	45%	94.4%	70.9%
ECO103186	MTU202464	45%	98.7%	68.2%
ECO103186	NGO101616	68%	98.2%	97.4%
ECO103186	NME200552	69%	98.2%	97.4%
ECO103186	PMU101091	83%	99.8%	100%
ECO103186	PRT100504	86%	99.8%	100%
ECO103186	PAE204843	71%	99.8%	99.8%
ECO103186	PPU108141	70%	99.6%	99.1%
ECO103186	PSY108097	69%	99.6%	100%
ECO103186	SPA101601	95%	98.9%	100%
ECO103186	STY101665	96%	100%	100%
ECO103186	STM102307	96%	100%	100%
ECO103186	SAU801526	53%	98.2%	98.2%
ECO103186	SEP200908	52%	98.2%	98.0%
ECO103186	SHA100988	52%	98.2%	98.2%
ECO103186	SMU100533	51%	96.9%	97.1%
ECO103186	SPN400385	53%	98.0%	97.4%
ECO103186	SPY201344	52%	98.0%	97.6%
ECO103186	VCH100291	85%	99.6%	100%
ECO103186	YPS003128	92%	99.8%	99.8%
ECO103188	BAN108690	42%	96.3%	98.7%
ECO103188	BAN112300	47%	96.3%	97.9%
ECO103188	BFR12375	25%	89.1%	87.4%
ECO103188	BPT101875	22%	89.5%	67.2%
ECO103188	BBU100813	33%	90.1%	97.7%
ECO103188	CPN200265	25%	71.1%	72.5%
ECO103188	CBO103269	26%	88.2%	90.9%
ECO103188	CDF103913	25%	94.8%	98.5%
ECO103188	EBC102639	92%	99.6%	100%
ECO103188	ECO103188	100%	100%	100%
ECO103188	HIN100955	64%	96.9%	97.1%
ECO103188	KPN302542	89%	99.6%	100%
ECO103188	LMO101454	24%	30.3%	53.2%
ECO103188	PMU101089	59%	96.9%	98.7%
ECO103188	PRT100502	78%	98.8%	99.8%
ECO103188	SPA101599	91%	98.8%	100%
ECO103188	STY101671	93%	99.6%	100%
ECO103188	STM102309	93%	99.6%	100%
ECO103188	SMU101245	32%	20.8%	47.3%
ECO103188	YPS003121	82%	96.9%	97.1%
ECO103195	BFR10437	32%	90.9%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
ECO103195	CJU100335	30%	91.9%	94.3%
ECO103195	ECO103195	100%	100%	100%
ECO103195	KPN308332	75%	98.7%	100%
ECO103195	LPN101631	30%	89.1%	89.3%
ECO103195	STM102321	88%	98.7%	98.7%
ECO103212	ABA105502	40%	98.6%	97.0%
ECO103212	BAN107407	30%	90.4%	89.1%
ECO103212	BAN101826	32%	99.3%	99.5%
ECO103212	BPT100805	36%	97.9%	89.7%
ECO103212	BCE107697	37%	97.7%	86.0%
ECO103212	BFU101027	39%	90.7%	82.5%
ECO103212	BMA101603	36%	97.7%	92.1%
ECO103212	CPN200071	27%	61.5%	66.5%
ECO103212	CTR200830	28%	60.6%	64.9%
ECO103212	CAC100526	31%	92.1%	92.3%
ECO103212	CBO102152	30%	98.6%	99.3%
ECO103212	CDF102436	30%	95.1%	96.1%
ECO103212	CDP100308	32%	86.0%	100%
ECO103212	EBC103645	86%	100%	97.7%
ECO103212	EFA201559	31%	93.0%	89.3%
ECO103212	EFM201913	31%	83.4%	98.4%
ECO103212	ECO103212	100%	100%	100%
ECO103212	HIN100605	51%	98.4%	94.7%
ECO103212	KPN301222	86%	100%	99.5%
ECO103212	LMO100111	31%	99.8%	99.3%
ECO103212	MCA102831	37%	99.8%	98.4%
ECO103212	MAV100826	30%	87.4%	84.5%
ECO103212	MBV102144	30%	86.0%	82.9%
ECO103212	MTU201388	30%	86.0%	82.9%
ECO103212	NGO101723	40%	98.1%	98.3%
ECO103212	NME200155	40%	98.1%	98.3%
ECO103212	PMU101561	53%	99.8%	97.8%
ECO103212	PRT105024	68%	100%	100%
ECO103212	PAE200017	50%	98.6%	98.8%
ECO103212	PPU103623	49%	98.6%	98.4%
ECO103212	PSY103506	48%	98.6%	96.9%
ECO103212	SPA104301	88%	84.4%	99.7%
ECO103212	STY101845	88%	100%	100%
ECO103212	STM102354	88%	100%	100%
ECO103212	SAU801217	28%	98.8%	93.3%
ECO103212	SEP201495	28%	99.1%	99.1%
ECO103212	SMU101505	31%	85.1%	82.7%
ECO103212	SPN401577	33%	92.1%	90.4%
ECO103212	SPY201253	30%	90.4%	88.9%
ECO103212	VCH100044	62%	98.8%	97.7%
ECO103212	YPS002538	73%	100%	100%
ECO103216	BAN110095	31%	75.4%	78.6%
ECO103216	BAN104882	38%	75.4%	74.0%
ECO103216	BCE107484	37%	97.5%	88.7%
ECO103216	BFU103220	36%	99.2%	71.0%
ECO103216	BMA101250	50%	62.3%	57.1%
ECO103216	EBC103642	74%	99.2%	99.2%
ECO103216	ECO103216	100%	100%	100%
ECO103216	KPN300812	79%	98.4%	98.4%